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09/2018

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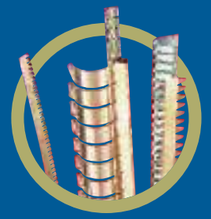
Fingerstock

EMI FINGERSTOCK



Fingerstock

SEM'S FINGERSTOCK GASKETS

Think Schlegel EMI for Shielding

As the originator of the fabric-clad foam EMI shielding technology, Schlegel EMI is the industry's most trusted name. We continue to set the standard for quality and innovation, designing advanced solutions for a wide range of applications. And our worldwide locations ensure that you get what you need, when and where you need it.

Modern electronic equipment often requires EMI Gaskets to avoid radiating EMI/RFI and to prevent susceptibility to outside sources of EMI/RFI. Maintaining electromagnetic compatibility can be an increasing challenge for the designers of today's electronic and electrical products.

Schlegel Electronic Materials, Inc. (SEM), the preeminent manufacturer of fabric over foam EMI shielding products for the computer, telecommunications, and electronics industries, offers a full range of EMI shielding products—including gaskets, I/O backplane shielding gaskets, and highly conductive envelopes, tapes and laminates. SEM is now proud to introduce a complete line of quality beryllium copper (BeCu) EMI Gaskets. The addition of BeCu Gaskets to SEM's extensive portfolio of shielding products allows SEM to be your exclusive EMI shielding supplier, to help you meet or exceed your global requirements for electromagnetic compatibility (EMC).

The mechanical spring characteristics of BeCu EMI Gaskets offer superior shielding effectiveness. These gaskets offer consistent performance and yield superb electrical spring contact within this industry.

SEM provides all the popular standard styles and sizes of BeCu gaskets. These gaskets operate in spaces from .010 inches up to .500 inches. SEM also offers many styles of soft gaskets that provide the low compression force needed in many applications. Custom spring contacts and gaskets are also available.

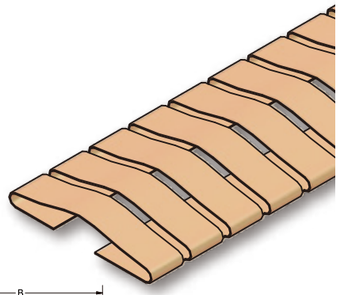
Table of Contents

Low Profile & PCI Series
GASKETS

Low Profile Adhesive Mount

Black = inches Red = mm

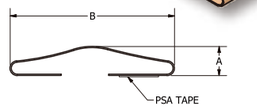
SEM P/N	A		B		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS	TAPE
TAHLP0845X16	.08	2.03	.45	11.43	.100	2.54	.125	3.18	.004	.102	16	406	128	.145
TAHLPS845X16	.08	2.03	.45	11.43	.100	2.54	.125	3.18	.003	.076	16	406	128	.145
TAHLP0126X16	.12	3.05	.60	15.24	.100	2.54	.125	3.18	.004	.102	16	406	128	.200
TAHLPS126X16	.12	3.05	.60	15.24	.100	2.54	.125	3.18	.003	.076	16	406	128	.200



MOUNTING OPTIONS
■ Tape

The low profile series gaskets incorporate design features that allow for some of the lowest compression forces in the industry, while achieving high performance shielding effectiveness. These gaskets are ideally suited for small aperture applications.

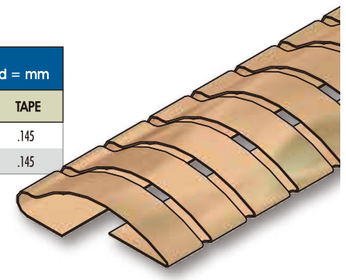
XX - Select material/finish (see page 25)



Low Profile Hook

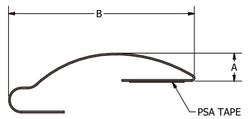
Black = inches Red = mm

SEM P/N	A		B		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS	HOOK ID	TAPE
THLP0645X16	.06	1.52	.45	11.43	.100	2.54	.125	3.18	.004	.102	16	406	128	.060	.145
THLPS645X16	.06	1.52	.45	11.43	.100	2.54	.125	3.18	.003	.076	16	406	128	.060	.145



MOUNTING OPTIONS
■ Tape

XX - Select material/finish (see page 25)

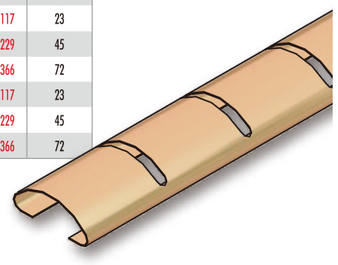


High performance Compact PCI Gaskets designed for easy card insertion in rack mount applications. This gasket is available in two different sizes to accommodate different customer extrusions. They are available in both Beryllium Copper and Stainless Steel.

PCI Series

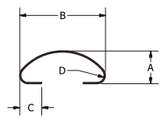
Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
TPCI0719X4.6	.07	1.78	.18	4.57	.05	1.27	.01	.25	.180	4.57	.200	5.08	.002	.051	4.60	117	23
TPCI0719X9.0	.07	1.78	.18	4.57	.05	1.27	.01	.25	.180	4.57	.200	5.08	.002	.051	9.00	229	45
TPCI0719X14.4	.07	1.78	.18	4.57	.05	1.27	.01	.25	.180	4.57	.200	5.08	.002	.051	14.40	366	72
TPCIS719X4.6	.07	1.78	.18	4.57	.05	1.27	.01	.25	.180	4.57	.200	5.08	.002	.051	4.60	117	23
TPCIS719X9.0	.07	1.78	.18	4.57	.05	1.27	.01	.25	.180	4.57	.200	5.08	.002	.051	9.00	229	45
TPCIS719X14.4	.07	1.78	.18	4.57	.05	1.27	.01	.25	.180	4.57	.200	5.08	.002	.051	14.40	366	72
TPCI0819X4.6	.07	1.78	.19	4.83	.05	1.27	.02	.51	.180	4.57	.200	5.08	.002	.051	4.60	117	23
TPCI0819X9.0	.07	1.78	.19	4.83	.05	1.27	.02	.51	.180	4.57	.200	5.08	.002	.051	9.00	229	45
TPCI0819X14.4	.07	1.78	.19	4.83	.05	1.27	.02	.51	.180	4.57	.200	5.08	.002	.051	14.40	366	72
TPCIS819X4.6	.07	1.78	.19	4.83	.05	1.27	.02	.51	.180	4.57	.200	5.08	.002	.051	4.60	117	23
TPCIS819X9.0	.07	1.78	.19	4.83	.05	1.27	.02	.51	.180	4.57	.200	5.08	.002	.051	9.00	229	45
TPCIS819X14.4	.07	1.78	.19	4.83	.05	1.27	.02	.51	.180	4.57	.200	5.08	.002	.051	14.40	366	72



MOUNTING OPTIONS
■ Extrusion

XX - Select material/finish (see page 25)

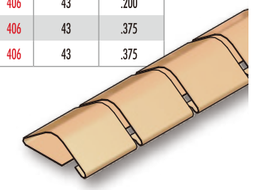


Adhesive Mount & Dome Top Series
GASKETS

Adhesive Mount Series AH

Black = inches Red = mm Comp = Compressed

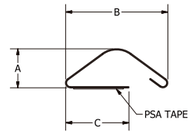
SEM P/N	A		B		C		FINGER		PITCH		MAT. THICK		COMP WIDTH		COMP HEIGHT		LENGTH		FINGERS	TAPE
TAH01132X16	.11	2.79	.32	8.13	.20	5.08	.170	4.32	.187	4.75	.003	.076	.39	9.91	.04	1.02	16	406	86	.145
TAHS1132X16	.11	2.79	.32	8.13	.20	5.08	.170	4.32	.187	4.75	.002	.051	.39	9.91	.04	1.02	16	406	86	.145
TAH01337X16	.13	3.30	.37	9.40	.21	5.33	.225	5.72	.250	6.35	.003	.076	.51	12.95	.05	1.27	16	406	64	.145
TAHS1337X16	.13	3.30	.37	9.40	.21	5.33	.225	5.72	.250	6.35	.002	.051	.51	12.95	.05	1.27	16	406	64	.145
TAH01438X16	.14	3.56	.38	9.65	.20	5.08	.343	8.71	.375	9.53	.004	.102	.53	13.46	.05	1.27	16	406	43	.145
TAH02260X16	.22	5.59	.60	15.24	.28	7.11	.344	8.74	.375	9.53	.005	.127	.73	18.54	.09	2.29	16	406	43	.200
TAHS2260X16	.22	5.59	.60	15.24	.28	7.11	.344	8.74	.375	9.53	.003	.076	.73	18.54	.09	2.29	16	406	43	.200
TAH03278X16	.32	8.13	.78	19.81	.45	11.43	.344	8.74	.375	9.53	.004	.102	.98	24.89	.12	3.05	16	406	43	.375
TAHS3278X16	.32	8.13	.78	19.81	.45	11.43	.344	8.74	.375	9.53	.003	.076	.98	24.89	.12	3.05	16	406	43	.375



MOUNTING OPTIONS
■ Tape

The AH series gaskets are adhesive mounted general-purpose gaskets used in both compression and wiping applications. Sizes range from .11" (2.8mm) to .32" (8.1 mm) in height. Applications include electronic enclosures, shielded cabinets, and MRI chamber doors.

XX - Select material/finish (see page 25)

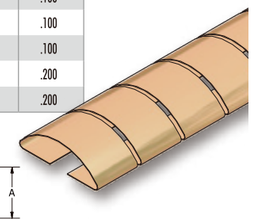


The Dome Top Gaskets are known for their large surface area for electrical contact and smooth wiping action. Also available in a solid top profile allowing for omni-directional wiping. Together with the Slot Mount Series, the Dome Top Gaskets are a mainstay in the enclosure/chassis industries. Commonly mounted with adhesive tape.

Dome Top Series DT

Black = inches Red = mm Comp = Compressed

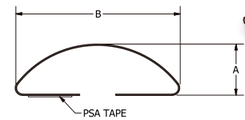
SEM P/N	A		B		FINGER		PITCH		MAT. THICK		COMP WIDTH		COMP HEIGHT		LENGTH		FINGERS	TAPE
TDT01135X15	.11	2.79	.35	8.89	.169	4.29	.187	4.75	.003	.076	.38	9.65	.06	1.52	15	381	80	.100
TDTS1135X15	.11	2.79	.35	8.89	.169	4.29	.187	4.75	.002	.051	.38	9.65	.06	1.52	15	381	80	.100
TDT01445X15	.14	3.56	.45	11.43	.228	5.79	.250	6.35	.003	.076	.51	12.95	.07	1.78	15	381	60	.100
TDTS1445X15	.14	3.56	.45	11.43	.228	5.79	.250	6.35	.002	.051	.51	12.95	.07	1.78	15	381	60	.100
TDT02262X15	.22	5.59	.62	15.75	.345	8.76	.375	9.53	.004	.102	.76	19.30	.10	2.54	15	381	40	.200
TDTS2262X15	.22	5.59	.62	15.75	.345	8.76	.375	9.53	.003	.076	.76	19.30	.10	2.54	15	381	40	.200



MOUNTING OPTIONS
■ Tape

The Dome Top gaskets have fully independent fingers that are adhesive mounted. Their smooth curve provides a large area for electrical contact and smooth wiping action.

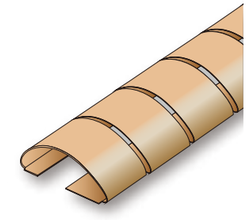
XX - Select material/finish (see page 25)



Dome Top Series D

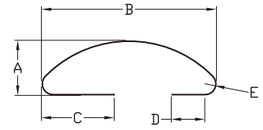
Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TDA01135 X16	.11	2.80	.35	8.90	.15	3.70	.090	2.3	.020	.510	.17	4.29	.19	4.75	.003	.08	16	408.04	86



MOUNTING OPTIONS

XX - Select material/finish (see page 25)



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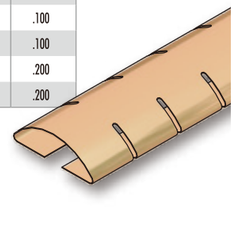
Other dimensions available upon request, please contact your SEM representative.

Dome Top Solid Series DTS

Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		FINGER		PITCH		MAT. THICK		COMP WIDTH		COMP HEIGHT		LENGTH		FINGERS	TAPE
TDS01135X15	.11	2.79	.35	8.89	.169	4.29	.187	4.75	.003	.076	.38	9.65	.06	1.52	15	381	80	.100
TDSS1135X15	.11	2.79	.35	8.89	.169	4.29	.187	4.75	.002	.051	.38	9.65	.06	1.52	15	381	80	.100
TDS01445X15	.14	3.56	.45	11.43	.250	6.35	.250	6.35	.003	.076	.51	12.95	.07	1.78	15	381	60	.100
TDSS1445X15	.14	3.56	.45	11.43	.250	6.35	.250	6.35	.002	.051	.51	12.95	.07	1.78	15	381	60	.100
TDS02262X15	.22	5.59	.62	15.75	.345	8.76	.375	9.53	.004	.102	.76	19.30	.10	2.54	15	381	40	.200
TDSS2262X15	.22	5.59	.62	15.75	.345	8.76	.375	9.53	.003	.076	.76	19.30	.10	2.54	15	381	40	.200



MOUNTING OPTIONS
■ Tape

The Dome Top "Solid" Series gaskets have a strip that connects each finger along the top. This allows for unique angular wiping action without snagging. Other features are the same as the Dome Top Series.

XX - Select material/finish (see page 25)

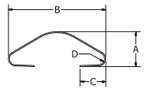
Slot Mount Series
GASKETS

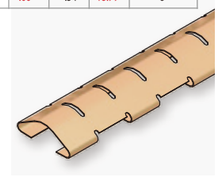
Slot mount gaskets are a standard in the electronic enclosure industry. These gaskets are used in shorter lengths as ESD contacts and longer lengths as EMI gaskets, which clip into slots or slide onto mounted tracks.

Alternate Finger Slot Mount

Black = inches Red = mm

SEM P/N	A		B		C		D		*E Recommended		*F Recommended		*G Recommended		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
TAF01132X16	.11	2.79	.32	8.13	.08	2.03	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.004	.102	16	406	85
*TAFA1132X16	.11	2.80	.32	8.13	.09	2.16	.02	.51	-	-	-	-	-	-	.169	4.29	.187	4.75	.003	.08	16	403.29	85
*TAFB1132X16	.11	2.80	.32	8.13	.09	2.16	.02	.51	-	-	-	-	-	-	.169	4.29	.187	4.75	.002	.06	16	403.29	85
TAF301132X16	.11	2.79	.32	8.13	.08	2.03	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.004	.102	16	406	85
*TAF3T1132X16	.11	2.80	.32	8.13	.09	2.16	.02	.51	-	-	-	-	-	-	.169	4.29	.187	4.75	.003	.08	16	403.29	85
TAF401132X16	.11	2.79	.32	8.13	.08	2.03	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.004	.102	16	406	85
TAFS1132X16	.11	2.79	.32	8.13	.08	2.03	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.002	.051	16	406	85
TAF3S1132X16	.11	2.79	.32	8.13	.08	2.03	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.002	.051	16	406	85
TAF4S1132X16	.11	2.79	.32	8.13	.08	2.03	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.002	.051	16	406	85
TAF02260X16	.22	5.59	.60	15.24	.14	3.56	.04	1.02	.14	3.56	.52	13.21	.07	1.78	.250	6.35	.282	7.16	.005	.127	16	406	57
*TAFA2260X16	.22	5.59	.60	15.24	.13	3.30	.04	1.02	-	-	-	-	-	-	.250	6.35	.282	7.16	.005	.127	16	407.3	57
TAF302260X16	.22	5.59	.60	15.24	.14	3.56	.04	1.02	.14	3.56	.52	13.21	.07	1.78	.250	6.35	.282	7.16	.005	.127	16	406	58
TAFS2260X16	.22	5.59	.60	15.24	.14	3.56	.04	1.02	.14	3.56	.52	13.21	.07	1.78	.250	6.35	.282	7.16	.003	.076	16	406	57
TAF3S2260X16	.22	5.59	.60	15.24	.14	3.56	.04	1.02	.14	3.56	.52	13.21	.07	1.78	.250	6.35	.282	7.16	.003	.076	16	406	58
*TAF01337X16	.13	3.30	.37	9.40	.09	2.16	.02	.51	-	-	-	-	-	-	.226	5.75	.25	6.35	.003	.08	16	405.8	64
*TAFB1537X059	.15	3.70	.37	9.40	.09	2.16	.02	.51	-	-	-	-	-	-	.177	4.50	.205	5.2	.003	.08	.59	14.9	3
*TAFC1537X059	.15	3.70	.37	9.40	.09	2.16	.02	.51	-	-	-	-	-	-	.177	4.50	.205	5.2	.002	.06	.59	14.9	3
*TAFD1537X059	.15	3.70	.37	9.40	.09	2.16	.02	.51	-	-	-	-	-	-	.177	4.50	.205	5.2	.004	.1	.59	14.9	3
*TAF01132X054	.11	2.80	.32	8.13	.09	2.16	.02	.51	-	-	-	-	-	-	.169	4.29	.187	4.75	.003	.08	.54	13.79	3





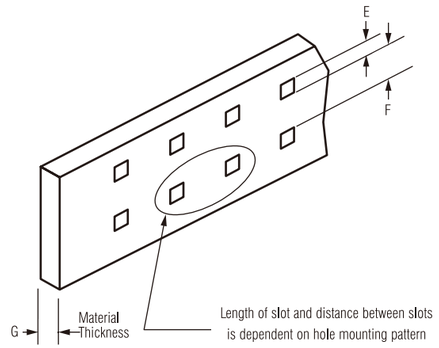
MOUNTING OPTIONS
■ Slot

*May vary depending on application

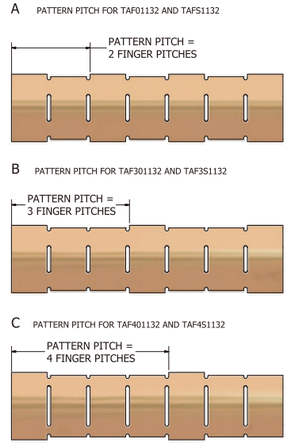
XX - Select material/finish (see page 25)

MOUNTING CONCEPTS

Alternate Finger Mounting Hole Recommendations



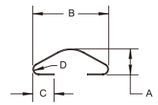
Variable Slot Mount Chart

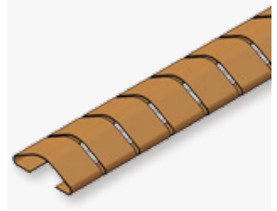


Slot Mount Series RH

Black = inches Red = mm

SEM P/N	A		B		C		D		*N Recommended		*O Recommended		*P Recommended		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
TRH01128X16	.11	2.79	.28	7.11	.08	2.03	.02	.51	.09	2.29	.22	5.59	.04	1.02	.169	4.29	.187	4.75	.003	.076	16	406	86
TRHS1128X16	.11	2.79	.28	7.11	.08	2.03	.02	.51	.09	2.29	.22	5.59	.04	1.02	.169	4.29	.187	4.75	.002	.054	16	406	86
TRH01132X16	.11	2.79	.32	8.13	.09	2.29	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.003	.076	16	406	86
*TRHA1132X16	.11	2.79	.32	8.13	.085	2.16	.02	.51	-	-	-	-	-	-	.169	4.29	.187	4.75	.003	.08	16	408.04	86
*TRHB1132X16	.11	2.79	.32	8.13	.085	2.16	.02	.51	-	-	-	-	-	-	.169	4.29	.187	4.75	.002	.06	16	408.04	86
TRHS1132X16	.11	2.79	.32	8.13	.09	2.29	.02	.51	.09	2.29	.26	6.60	.04	1.02	.169	4.29	.187	4.75	.002	.054	16	406	86
TRH01330X16	.13	3.30	.30	7.62	.09	2.29	.03	.76	.09	2.29	.25	6.35	.05	1.27	.169	4.29	.187	4.75	.004	.102	16	406	86
TRH01337X16	.13	3.30	.37	9.40	.09	2.29	.02	.51	.09	2.29	.31	7.87	.04	1.02	.225	5.72	.250	6.35	.003	.076	16	406	64
*TRHA1337X16	.13	3.3	.37	9.4	.085	2.16	.02	.51	-	-	-	-	-	-	.225	5.72	.250	6.35	.003	.08	16	405.77	64
TRHS1337X16	.13	3.30	.37	9.40	.09	2.29	.02	.51	.09	2.29	.31	7.87	.04	1.02	.225	5.72	.250	6.35	.002	.054	16	406	64
TRH02260X16	.22	5.59	.60	15.24	.14	3.56	.04	1.02	.14	3.56	.52	13.21	.06	1.52	.250	6.23	.282	7.16	.005	.127	16	406	57
TRHS2260X16	.22	5.59	.60	15.24	.14	3.56	.04	1.02	.14	3.56	.52	13.21	.06	1.52	.250	6.35	.282	7.16	.003	.076	16	406	57
*TRH01543X16	.15	3.88	.43	11	.11	2.7	.02	.57	-	-	-	-	-	-	.209	5.30	.236	6	.003	.08	16	407.3	68





MOUNTING OPTIONS
■ Slot

*May vary depending on application

XX - Select material/finish (see page 25)

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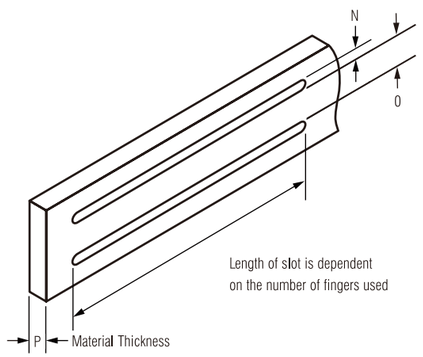
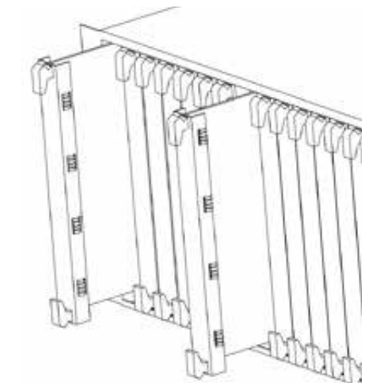
Other dimensions available upon request, please contact your SEM representative.

RH Mounting Hole Pattern



Slot Mount Series



MOUNTING CONCEPTS

Slot Mount Series (AT)

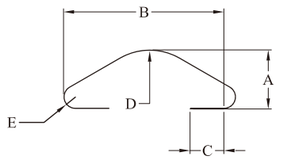
Black = inches Red = mm Comp = Compressed

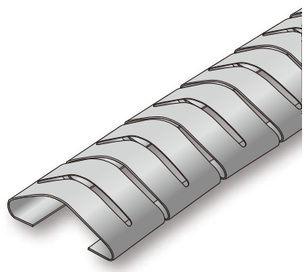
SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TAT21132X16	.11	2.79	.32	8.13	.09	2.16	.11	2.79	.02	.51	.17	4.29	.19	4.75	.003	.08	16	408.04	86

Directional Force

MOUNTING OPTIONS

XX - Select material/finish (see page 25)





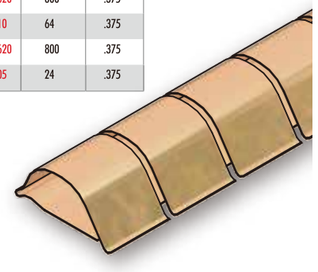
Folded Series
GASKETS

SEM's Folded Gasket series are industry standard, general-purpose gaskets that allow a large range of deflection and compression forces. These gaskets are available with or without tape for alternate attachment methods. Also available in a snag-free version where, under compression, the leading edge of the gasket slides into an extended and folded base which prevents possible damage to the gasket.

Folded Series FS

Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		FINGER		PITCH		MAT. THICK		COMP LENGTH		COMP HEIGHT		LENGTH		FINGERS	TAPE
TFS01128X16	.11	2.79	.28	7.11	.24	6.10	.170	4.32	.188	4.78	.003	.076	.37	9.40	.07	1.78	16	406	85	.145
TFS01128X300	.11	2.79	.28	7.11	.24	6.10	.170	4.32	.188	4.78	.003	.076	.37	9.40	.07	1.78	300	7620	1596	.145
TFSS1128X16	.11	2.79	.28	7.11	.24	6.10	.170	4.32	.188	4.78	.002	.051	.37	9.40	.07	1.78	16	406	85	.145
TFSS1128X300	.11	2.79	.28	7.11	.24	6.10	.170	4.32	.188	4.78	.002	.051	.37	9.40	.07	1.78	300	7620	1596	.145
TFS01437X16	.14	3.56	.37	9.40	.32	8.13	.228	5.79	.250	6.35	.003	.076	.50	12.70	.10	2.54	16	406	64	.200
TFS01437X300	.14	3.56	.37	9.40	.32	8.13	.228	5.79	.250	6.35	.003	.076	.50	12.70	.10	2.54	300	7620	1200	.200
TFSS1437X16	.14	3.56	.37	9.40	.31	7.87	.228	5.79	.250	6.35	.002	.051	.50	12.70	.10	2.54	16	406	64	.200
TFS02360X24	.23	5.84	.60	15.24	.50	12.70	.343	8.71	.375	9.53	.004	.102	.77	19.56	.12	3.05	24	610	64	.250
TFS02360X300	.23	5.84	.60	15.24	.50	12.70	.343	8.71	.375	9.53	.004	.102	.77	19.56	.12	3.05	300	7620	800	.250
TFS02578X24	.25	6.35	.78	19.81	.53	13.46	.335	8.51	.375	9.53	.005	.127	.94	23.88	.15	3.81	24	610	64	.375
TFS02578X300	.25	6.35	.78	19.81	.53	13.46	.340	8.64	.375	9.53	.005	.127	.94	23.88	.15	3.81	300	7620	800	.375
TFSS2578X24	.25	6.35	.78	19.81	.53	13.46	.335	8.51	.375	9.53	.003	.076	.94	23.88	.15	3.81	24	610	64	.375
TFSS2578X300	.25	6.35	.78	19.81	.53	13.46	.335	8.51	.375	9.53	.003	.076	.94	23.88	.15	3.81	300	7620	800	.375
TFS041113X12	.41	10.41	1.13	28.70	.80	20.32	.460	11.68	.500	12.70	.007	.178	1.94	49.28	.23	5.84	12	305	24	.375

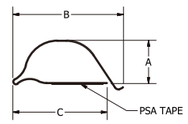


Directional Force

MOUNTING OPTIONS
- Tape
- Solder
- Rivet

The SEM FS gaskets are industry standard, general-purpose gaskets that allow a large range of deflection and compression forces. These gaskets are available without tape for alternate attachment methods. Consult factory for information.

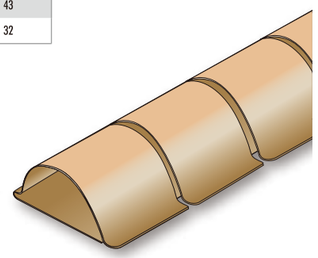
XX - Select material/finish (see page 25)



Folded Series FSH

Black = inches Red = mm

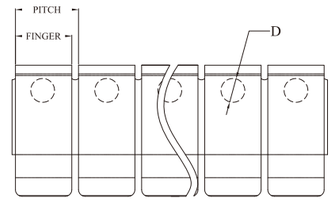
SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TFSH1128X16	.11	2.80	.28	7.10	.23	5.80	.059	1.50	.170	4.32	.189	4.78	.003	.08	16	406.30	85
*TFSH1437X16	.14	3.60	.37	9.40	.31	7.90	.063	1.60	.228	5.79	.250	6.35	.003	.08	16	406.40	64
*TFSH2360X16	.23	5.80	.60	15.20	.50	12.70	.079	2.00	.343	8.72	.375	9.53	.004	.10	16	406.40	43
*TFSA2578X16	.25	6.40	.78	19.80	.53	13.50	.142	3.60	.335	8.51	.375	9.53	.004	.10	16	409.79	43
*TFSB2578X16	.25	6.40	.78	19.80	.53	13.50	.142	3.60	.335	8.51	.375	9.53	.008	.20	16	409.79	43
*TFSC2578X16	.25	6.40	.78	19.80	.94	24.00	.142	3.60	.335	8.51	.375	9.53	.004	.10	16	409.79	43
*TFSH4111X16	.41	10.40	1.13	28.70	.78	19.80	.142	3.60	.460	11.68	.500	12.70	.007	.18	16	406.40	32

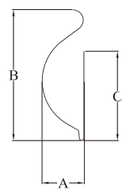


Directional Force

MOUNTING OPTIONS

XX - Select material/finish (see page 25)





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Other dimensions available upon request, please contact your SEM representative.

Folded Series FSC

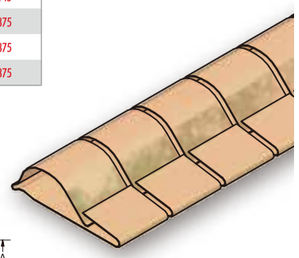
Black = inches Red = mm

SEM P/N	A		B		FINGER		PITCH		MAT. THICK		COMP HEIGHT		LENGTH		FINGERS	TAPE
TFSC0825X16	.08	2.03	.25	6.35	.170	4.32	.188	4.78	.003	.076	.048	1.22	16	406	85	.145
TFSC1451X16	.14	3.56	.51	12.95	.228	5.79	.250	6.35	.003	.076	.100	2.54	16	406	64	.375
TFSZ1451X16	.14	3.56	.51	12.95	.228	5.79	.250	6.35	.002	.051	.100	2.54	16	406	64	.375
TFSC2376X24	.23	5.84	.76	19.30	.343	8.64	.375	9.53	.004	.102	.115	2.92	24	610	64	.375

MOUNTING OPTIONS
- Tape
- Solder
- Rivet

The FSC was created to provide snag free gaskets with FS gasket features. The base of the gasket is extended from the mounting area and then folded up, over, down, and then comes to rest over the leading edge of the formed spring. Under compression, the leading edge of the gasket slides under and is "captured." This "no snag" feature is also used to prevent possible gasket damage.

XX - Select material/finish (see page 25)



Folded Series FSV

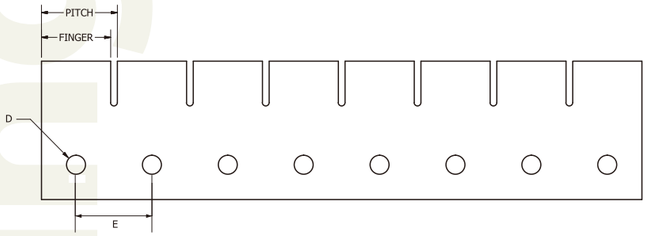
Black = inches Red = mm Comp = Compressed

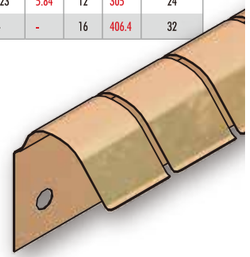
SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		COMP WIDTH		COMP HEIGHT		LENGTH		FINGERS
TFSV1128X16	.11	2.79	.28	7.11	.24	6.10	.06	1.52	.188	4.78	.170	4.32	.188	4.78	.003	.076	.37	9.40	.07	1.78	16	406	85
*TFS01128X16	.11	2.8	.28	7.1	.22	5.7	.06	1.5	.189	4.78	.166	4.22	.189	4.78	.003	.08	-	-	-	-	16	406.3	85
TFS21128X16	.11	2.79	.28	7.11	.24	6.10	.06	1.52	.188	4.78	.170	4.32	.188	4.78	.002	.051	.37	9.40	.07	1.78	16	406	85
*TFSV1436X16	.14	3.6	.37	9.4	.32	8.13	.12	3	.250	6.35	.228	5.79	.250	6.35	.003	.08	-	-	-	-	16	406.4	64
TFSV1437X16	.14	3.66	.37	9.40	.32	8.13	.06	1.52	.250	6.35	.228	5.79	.250	6.35	.003	.076	.50	12.70	.10	2.54	16	406	64
TFS21437X16	.14	3.66	.37	9.40	.32	8.13	.06	1.52	.250	6.35	.228	5.79	.250	6.35	.002	.051	.50	12.70	.10	2.54	16	406	64
TFSV2360X24	.23	5.84	.60	15.24	.50	12.70	.08	2.03	.375	9.53	.343	8.71	.375	9.50	.004	.102	.77	19.56	.12	3.05	24	610	64
TFSV2578X24	.25	6.35	.78	19.81	.50	12.70	.14	3.56	.375	9.53	.335	8.51	.375	9.50	.005	.127	.94	23.88	.15	3.81	24	610	64
TFS22578X24	.25	6.35	.78	19.81	.50	12.70	.14	3.56	.375	9.53	.335	8.51	.375	9.50	.003	.076	.94	23.88	.15	3.81	24	610	64
*TFSV2674X16	.26	6.7	.74	18.7	.34	8.7	.14	3.6	.375	9.53	.335	8.51	.375	9.53	.005	.127	-	-	-	-	16	409.79	43
TFSV41113X12	.41	10.41	1.13	28.70	.80	20.32	.14	3.56	.500	12.70	.460	11.68	.500	12.70	.007	.178	1.94	49.28	.23	5.84	12	305	24
*TFSV42113X16	.42	10.7	1.13	28.7	.75	19.05	.14	3.6	.500	12.70	.460	11.68	.500	12.70	.007	.18	-	-	-	-	16	406.4	32

MOUNTING OPTIONS
- Tape
- Rivet
- Solder

The FSV is an FS gasket that has the base bent at a right angle to the curve of the spring form, with all the other features of the FS gasket maintained. Tape optional - please consult factory.

XX - Select material/finish (see page 25)





Folded Series FSD

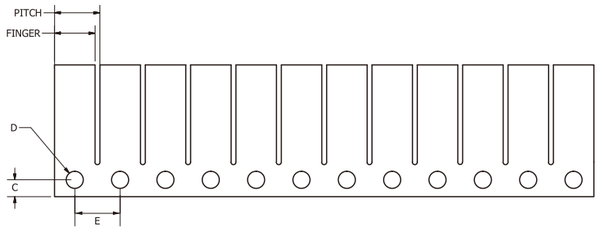
Black = inches Red = mm Comp = Compressed

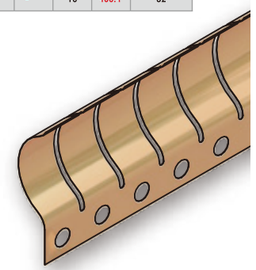
SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		COMP WIDTH		COMP HEIGHT		LENGTH		FINGERS
TFSD2599X24	.25	6.35	1.09	27.69	.16	4.06	.14	3.56	.38	9.65	.335	8.51	.375	9.53	.005	.127	1.27	32.26	.15	3.81	24	610	64
TFSD2599X300	.25	6.35	1.09	27.69	.16	4.06	.14	3.56	.38	9.65	.335	8.51	.375	9.53	.005	.127	1.27	32.26	.15	3.81	300	7620	800
TFSS2599X24	.25	6.35	1.09	27.69	.16	4.06	.14	3.56	.38	9.65	.335	8.51	.375	9.53	.003	.076	1.27	32.26	.15	3.81	24	610	64
TFSS2599X300	.25	6.35	1.09	27.69	.16	4.06	.14	3.56	.38	9.65	.335	8.51	.375	9.53	.003	.076	1.27	32.26	.15	3.81	300	7620	800
TFSD41163X24	.41	10.41	1.63	41.40	.19	4.83	.14	3.56	.50	12.70	.460	11.68	.500	12.70	.007	.178	1.90	48.26	.23	5.84	24	610	48
TFSD41163X300	.41	10.41	1.63	41.40	.19	4.83	.14	3.56	.50	12.70	.460	11.68	.500	12.70	.007	.178	1.90	48.26	.23	5.84	300	7620	600
*TFSD25110X16	.25	6.40	1.1	27.70	.16	4.1	.14	3.6	.38	9.53	.335	8.51	.375	9.53	.003	.08	-	-	-	-	16	409.79	43
*TFSD41160X16	.41	10.40	1.63	41.40	.19	4.8	.14	3.6	.50	12.70	.460	11.68	.500	12.70	.007	.18	-	-	-	-	16	406.4	32

MOUNTING OPTIONS
- Tape
- Rivet
- Solder

The FSD is an FS gasket with its base lying on the same plane as the curve in the spring form, with the mounting area shortened. This mounting is often modified for custom applications.

XX - Select material/finish (see page 25)





SCHLEGEL electronic materials
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Other dimensions available upon request, please contact your SEM representative.

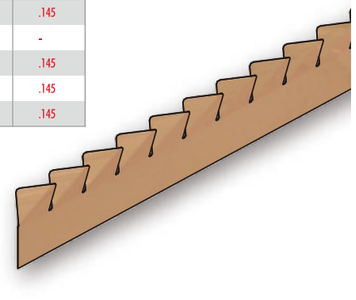
Twist Series
GASKETS

The Twist series gaskets are designed for demanding compression applications. This series can compress to material thickness and provide excellent shielding performance. Profiles include standard flat, right angle, double twist, and clip-on.

Twist Series T

Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS	TAPE
TT000320X24	.03	.76	.20	5.08	.11	2.79	.08	2.03	.095	2.41	.003	.076	24	610	253	.100
TT000320X300	.03	.76	.20	5.08	.11	2.79	.08	2.03	.095	2.41	.003	.076	300	7620	3158	.100
*TT000323X24	.03	.8	.23	5.9	.14	3.6	.08	2.03	.095	2.41	.003	.08	24	609.73	253	-
TT000323X300	.03	.76	.23	5.84	.14	3.56	.08	2.03	.095	2.41	.003	.076	300	7620	3158	.100
TT00S323X24	.03	.76	.23	5.84	.14	3.56	.08	2.03	.095	2.41	.002	.051	24	610	253	.100
TT00S323X300	.03	.76	.23	5.84	.14	3.56	.08	2.03	.095	2.41	.002	.051	300	7620	3158	.100
*TT000630X24	.07	1.8	.30	7.62	.15	3.81	.15	3.81	.165	4.19	.003	.08	24	611.74	146	-
TT000630X300	.07	1.78	.30	7.62	.15	3.81	.15	3.81	.165	4.19	.003	.076	300	7620	1818	.100
TT00S630X24	.07	1.78	.30	7.62	.15	3.81	.15	3.81	.165	4.19	.002	.051	24	610	146	.145
TT00S630X300	.07	1.78	.30	7.62	.15	3.81	.15	3.81	.165	4.19	.002	.051	300	7620	1818	.145
*TT000634X24	.07	1.8	.34	8.64	.18	4.63	.15	3.81	.165	4.19	.003	.08	24	611.74	146	-
TT000634X300	.07	1.78	.34	8.64	.18	4.57	.15	3.81	.165	4.19	.003	.076	300	7620	1818	.145
TT00S634X24	.07	1.78	.34	8.64	.18	4.57	.15	3.81	.165	4.19	.002	.051	24	610	146	.145
TT00S634X300	.07	1.78	.34	8.64	.18	4.57	.15	3.81	.165	4.19	.002	.051	300	7620	1818	.145



Directional Force

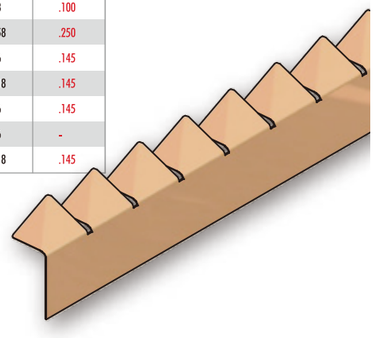
MOUNTING OPTIONS
- Tape
- Solder

XX - Select material/finish (see page 25)

Twist Series TV

Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS	TAPE
TTV00323X24	.03	.76	.08	2.03	.16	4.06	.08	2.03	.095	2.41	.003	.076	24	610	253	.100
*TTV00320X24	.03	.80	.07	2	.15	3.8	.08	2.03	.095	2.41	.003	.08	24	609.73	253	-
TTV00323X30	.03	.76	.08	2.03	.16	4.06	.08	2.03	.095	2.41	.003	.076	300	7620	3158	.100
TTV03323X24	.03	.76	.08	2.03	.30	7.62	.08	2.03	.095	2.41	.003	.076	24	610	253	.250
TTV0S323X24	.03	.76	.08	2.03	.16	4.06	.08	2.03	.095	2.41	.002	.051	24	610	253	.100
TTV30S323X300	.03	.76	.08	2.03	.30	7.62	.08	2.03	.095	2.41	.002	.051	300	7620	3158	.250
TTV00634X24	.07	1.78	.14	3.56	.20	5.08	.15	3.81	.165	4.19	.003	.076	24	610	146	.145
TTV00634X300	.07	1.78	.14	3.56	.20	5.08	.15	3.81	.165	4.19	.003	.076	300	7620	1818	.145
TTV0S634X24	.07	1.78	.14	3.56	.20	5.08	.15	3.81	.165	4.19	.002	.051	24	610	146	.145
*TTV00640X24	.07	1.8	.14	4	.18	4.63	.15	3.81	.165	4.19	.003	.08	24	611.74	146	-
TTV0S634X300	.07	1.78	.14	3.56	.20	5.08	.15	3.81	.165	4.19	.002	.051	300	7620	1818	.145



Directional Force

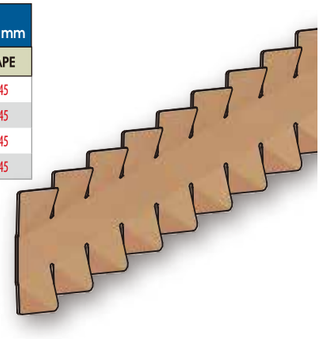
MOUNTING OPTIONS
- Tape
- Solder

XX - Select material/finish (see page 25)

Twist Series T2

Black = inches Red = mm

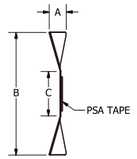
SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		LENGTH		FINGERS	TAPE
TT200650X24	.07	1.78	.50	12.70	.18	4.57	.15	3.81	.165	4.19	.003	.076	24	610	146	.145
TT200650X300	.07	1.78	.50	12.70	.18	4.57	.15	3.81	.165	4.19	.003	.076	300	7620	1818	.145
TT20S650X24	.07	1.78	.50	12.70	.18	4.57	.15	3.81	.165	4.19	.002	.051	24	610	146	.145
TT20S650X300	.07	1.78	.50	12.70	.18	4.57	.15	3.81	.165	4.19	.002	.051	300	7620	1818	.145



Directional Force

MOUNTING OPTIONS
- Tape

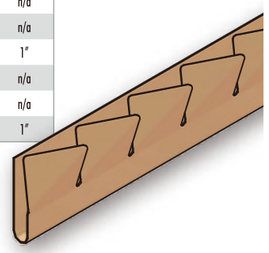
XX - Select material/finish (see page 25)



Twist Series UT

Black = inches Red = mm

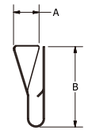
SEM P/N	A		B		FINGER		PITCH		MATERIAL THICK		LENGTH		FINGERS	CLIP ID		LANCE	LANCE PITCH
TUT40323X16	.03	.76	.15	3.81	.08	2.03	.095	2.41	.003	.076	16	406	168	.04	1.02	n/a	n/a
TUT70323X16	.03	.76	.15	3.81	.08	2.03	.095	2.41	.003	.076	16	406	168	.07	1.78	n/a	n/a
TUT7D323X16	.03	.76	.15	3.81	.08	2.03	.095	2.41	.003	.076	16	406	168	.07	1.78	D	1"
TUT40634X16	.07	1.78	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.04	1.02	n/a	n/a
TUT70634X16	.07	1.78	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.07	1.78	n/a	n/a
TUT7D634X16	.07	1.78	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.07	1.78	D	1"



Directional Force

MOUNTING OPTIONS
- Clip

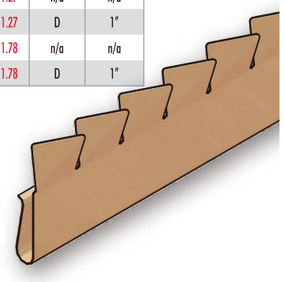
XX - Select material/finish (see page 25)



Twist Series UT3

Black = inches Red = mm

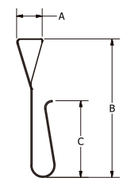
SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		LENGTH		FINGERS	CLIP ID		LANCE	LANCE PITCH
TUT305634X16	.07	1.78	.38	9.65	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.05	1.27	n/a	n/a
TUT3D5634X16	.07	1.78	.38	9.65	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.05	1.27	D	1"
TUT307634X16	.07	1.78	.38	9.65	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.07	1.78	n/a	n/a
TUT3D7634X16	.07	1.78	.38	9.65	.22	5.59	.15	3.81	.165	4.19	.003	.076	16	406	97	.07	1.78	D	1"



Directional Force

MOUNTING OPTIONS
- Clip

XX - Select material/finish (see page 25)



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Other dimensions available upon request, please contact your SEM representative.

Clip-On Series
GASKETS

The Clip-On Gaskets are used in enclosures, shielded cabinets, and on circuit cards as ESD contacts and EMI gaskets. For edge mount applications, close attention must be given to clip size, lance requirements, deflection parameters and finger configuration. SEM provides application assistance in the development of specifications.

Clip-On Series C

Black = inches Red = mm Comp = Compressed

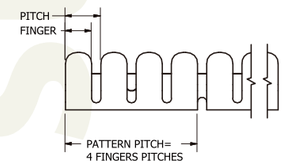
SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		COMP WIDTH		COMP HEIGHT		LANCE START		LANCE PITCH		FINGERS	LANCE
TCD01030X16	.10	2.54	.30	7.62	.07	1.78	.135	3.43	.182	4.62	.005	.127	.33	8.38	.05	1.27	.341	8.66	.728	18.49	88	D
TCT01030X16	.10	2.54	.30	7.62	.07	1.78	.135	3.43	.182	4.62	.005	.127	.33	8.38	.05	1.27	.341	8.66	.728	18.49	88	T
TCD01145X16	.11	2.79	.45	11.43	.07	1.78	.147	3.73	.193	4.90	.005	.127	.47	11.94	.06	1.52	.267	6.78	.748	19.00	84	D
TCT01145X16	.11	2.79	.45	11.43	.07	1.78	.147	3.73	.193	4.90	.005	.127	.47	11.94	.06	1.52	.651	16.54	1.352	34.34	84	T

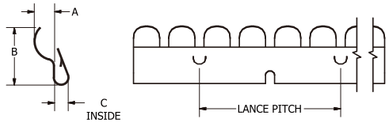
Directional Force

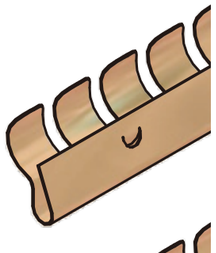
■ Clip

XX - Select material/finish (see page 25)

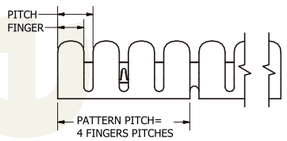
TCD01030

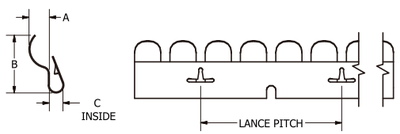


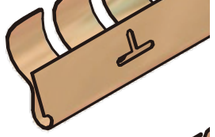




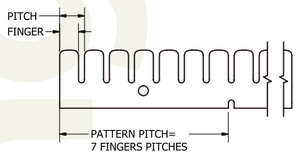
TCT01030

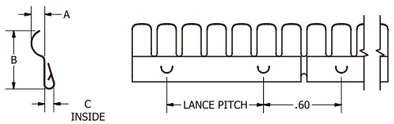




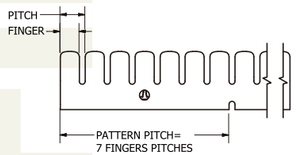


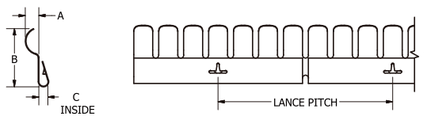
TCD01145





TCT01145





Mini-Clip Series C

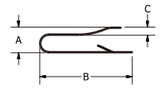
Black = inches Red = mm

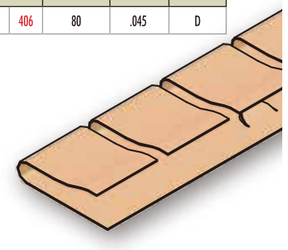
SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		LANCE START		LANCE PITCH		LENGTH		FINGERS	CLIP ID	LANCE
TCD40721X16	.07	1.78	.25	6.35	.03	.76	.170	4.32	.200	5.08	.003	.076	.49	12.45	1.00	25.40	16	406	80	.045	D

Directional Force

■ Clip

XX - Select material/finish (see page 25)





Clip-On Series C

Black = inches Red = mm Comp = Compressed

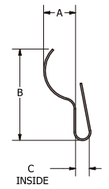
SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		COMP WIDTH		COMP HEIGHT		LANCE START		LANCE PITCH		FINGERS	LANCE
TC041030X16	.10	2.54	.30	7.62	.045	1.14	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	-	-	-	-	86	n/a
TC051030X16	.10	2.54	.30	7.62	.050	1.27	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	-	-	-	-	86	n/a
TC061030X16	.10	2.54	.30	7.62	.065	1.65	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	-	-	-	-	86	n/a
TC071030X16	.10	2.54	.30	7.62	.070	1.78	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	-	-	-	-	86	n/a
TCD41030X16	.10	2.54	.30	7.62	.045	1.14	.140	3.560	.187	4.75	.005	.127	.33	8.38	.05	1.27	.5	12.7	1	25.4	86	D
TCD51030X16	.10	2.54	.30	7.62	.050	1.27	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	.5	12.7	1	25.4	86	D
TCD61030X16	.10	2.54	.30	7.62	.065	1.65	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	.5	12.7	1	25.4	86	D
TCD71030X16	.10	2.54	.30	7.62	.070	1.78	.140	3.560	.187	4.750	.005	.127	.33	8.38	.05	1.27	.5	12.7	1	25.4	86	D
TC041145X16	.11	2.79	.45	11.43	.045	1.14	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	-	-	-	-	86	n/a
TC051145X16	.11	2.79	.45	11.43	.050	1.27	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	-	-	-	-	86	n/a
TC061145X16	.11	2.79	.45	11.43	.065	1.65	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	-	-	-	-	86	n/a
TC071145X16	.11	2.79	.45	11.43	.070	1.78	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	-	-	-	-	86	n/a
TCD41145X16	.11	2.79	.45	11.43	.045	1.14	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	.5	12.7	1	25.4	86	D
TCD51145X16	.11	2.79	.45	11.43	.050	1.27	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	.5	12.7	1	25.4	86	D
TCD61145X16	.11	2.79	.45	11.43	.065	1.65	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	.5	12.7	1	25.4	86	D
TCD71145X16	.11	2.79	.45	11.43	.070	1.78	.140	3.560	.187	4.750	.005	.127	.47	11.94	.06	1.52	.5	12.7	1	25.4	86	D
TC072599X16	.25	6.35	1.09	27.69	.070	1.78	.340	8.640	.375	9.530	.005	.127	1.27	32.26	.08	2.03	-	-	-	-	43	n/a
TCD72599X16	.25	6.35	1.09	27.69	.070	1.78	.340	8.640	.375	9.530	.005	.127	1.27	32.26	.08	2.03	.5	12.7	1	25.4	43	D
TSC072599X16	.25	6.35	1.09	27.69	.070	1.78	.340	8.640	.375	9.530	.003	.076	1.27	32.26	.08	2.03	-	-	-	-	43	n/a
TSCD72599X16	.25	6.35	1.09	27.69	.070	1.78	.340	8.640	.375	9.530	.003	.076	1.27	32.26	.08	2.03	.5	12.7	1	25.4	43	D
TC122599X16	.25	6.35	1.09	27.69	.120	3.05	.340	8.640	.375	9.530	.005	.127	1.27	32.26	.08	2.03	-	-	-	-	43	n/a
TC132599X16	.25	6.35	1.09	27.69	.130	3.30	.340	8.640	.375	9.530	.005	.127	1.27	32.26	.08	2.03	-	-	-	-	43	n/a

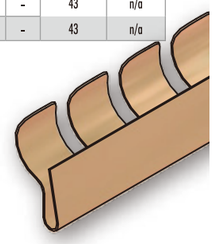
Directional Force

■ Clip

Consult factory for optional clip sizes and optional lance features.

XX - Select material/finish (see page 25)





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Other dimensions available upon request, please contact your SEM representative.

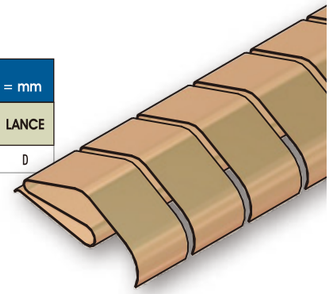
Clip-On & Grounding Series
GASKETS

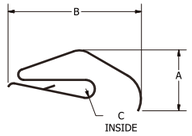
Clip-On Series CPS

Black = inches Red = mm

SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		LENGTH		FINGERS/ STRIP	LANCE
TCP02555X16	.25	6.35	.55	13.97	.04	1.02	.220	5.59	.250	6.35	.004	.102	16	406	64	D

XX - Select material/finish (see page 25)





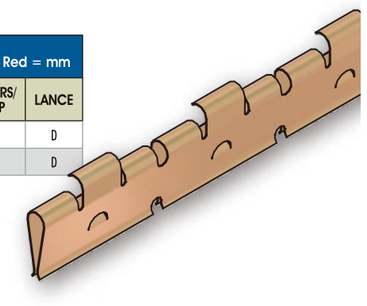
Perpendicular Shielding Gaskets
- Finger design allows for continuous contact across the length of the strip
- "D" lance provides superior retention of gasket to the mounting surface
- .80 D-clip is retained with .100 D-hole

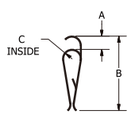
Clip-On Series CPG

Black = inches Red = mm

SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		LENGTH		FINGERS/ STRIP	LANCE
TCPG0631X12	.06	1.52	.31	7.87	.04	1.02	.500	12.70	.545	13.84	.004	.102	12	305	22	D
TCPG0631X16	.06	1.52	.31	7.87	.04	1.02	.500	12.70	.545	13.84	.004	.102	16	406	29	D

XX - Select material/finish (see page 25)





Perpendicular Electrical Grounding Strips
- Finger extension provides grounding from card or PCB to a backplane housing surface
- Wide clip-on area with "D" lance offers reliable retention
- .0035 material offers significant resiliency

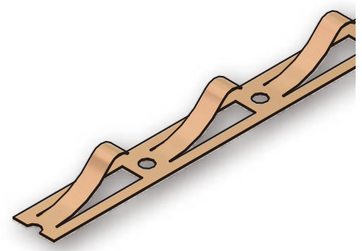
Grounding Series ML

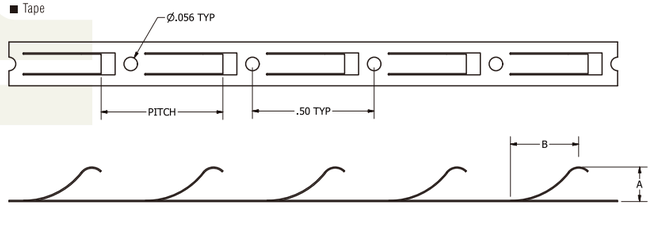
Black = inches Red = mm

SEM P/N	A		B		C		FINGER		PITCH		MATERIAL THICK		FINGERS
TML01481X16	.14	3.56	.28	7.11	.18	4.57	.080	2.03	.500	12.70	.005	.127	32
TML01481X24	.14	3.56	.28	7.11	.18	4.57	.080	2.03	.500	12.70	.005	.127	48

XX - Select material/finish (see page 25)

MOUNTING OPTIONS
- Tape





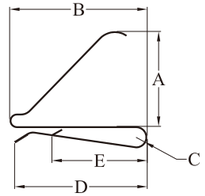
Clip-On Series

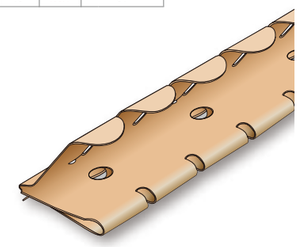
Black = inches Red = mm Comp = Compressed

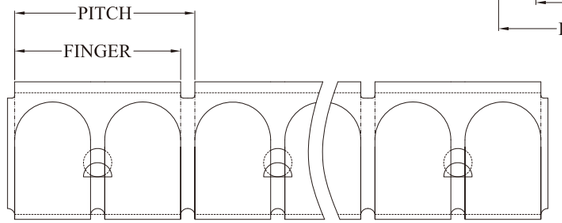
SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TCT22638X16	.26	6.7	.38	9.7	.026	0.65	.368	9.35	.265	6.72	.461	11.7	.50	12.7	.005	0.127	16	406.4	64

MOUNTING OPTIONS

XX - Select material/finish (see page 25)







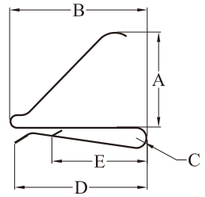
Clip-On Series

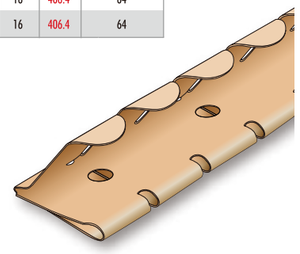
Black = inches Red = mm Comp = Compressed

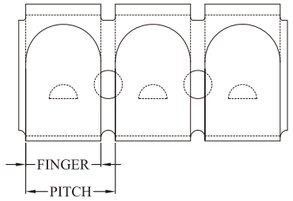
SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TCA02638X16	.26	6.70	.38	9.70	.026	0.65	.368	9.35	.265	6.72	.210	5.33	.25	6.35	.005	0.127	16	406.4	64
*TCB02638X16	.26	6.70	.38	9.70	.026	0.65	.368	9.35	.283	7.20	.461	11.7	.50	12.7	.005	0.127	16	406.4	64

MOUNTING OPTIONS

XX - Select material/finish (see page 25)







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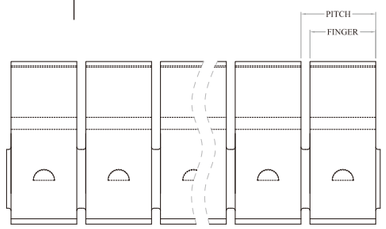
Other dimensions available upon request, please contact your SEM representative.

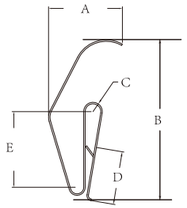
Clip-On Series

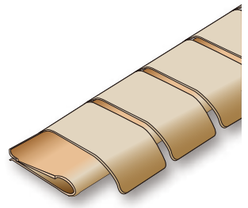
Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TCT02554X16	.25	6.35	.54	13.82	.031	0.8	.18	4.58	.260	6.5	.220	5.59	.25	6.35	.005	0.127	16	406.4	64

MOUNTING OPTIONS | XX - Select material/finish (see page 25)





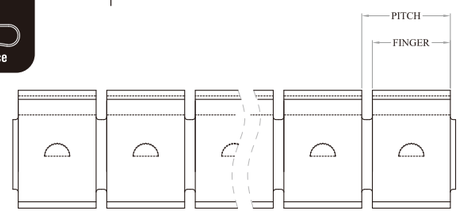


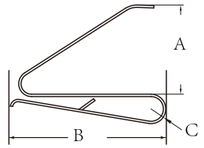
Clip-On Series

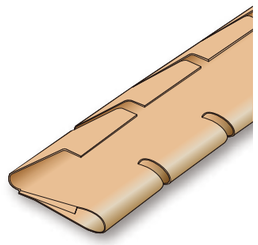
Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TCT01933X16	.19	4.85	.33	8.45	.03	0.8	.22	5.59	.25	6.35	.005	0.127	16	406.4	64

MOUNTING OPTIONS | XX - Select material/finish (see page 25)





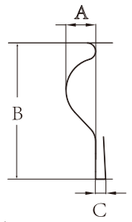


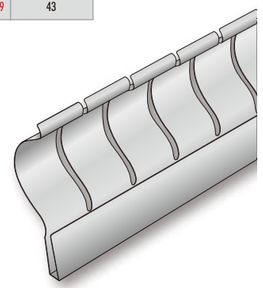
Clip-On Series

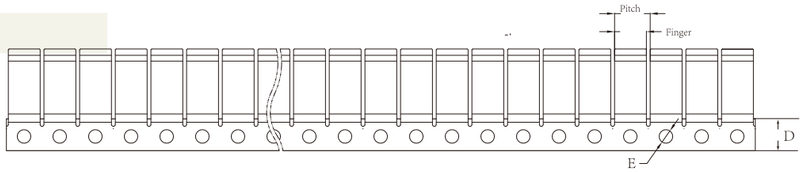
Black = inches Red = mm Comp = Compressed

SEM P/N	A		B		C		D		E		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS
*TCH0624107X16	.24	5.97	1.07	27.18	.06	1.65	-	-	.14	3.60	.34	8.51	.38	9.53	.005	0.12	16	409.79	43
*TCH0824107X16	.24	5.97	1.07	27.18	.08	2.10	.31	7.90	.14	3.60	.34	8.51	.38	9.53	.004	0.10	16	409.79	43

MOUNTING OPTIONS | XX - Select material/finish (see page 25)



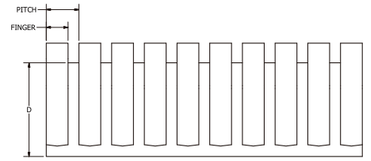




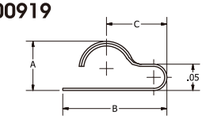
Contact Series

GASKETS

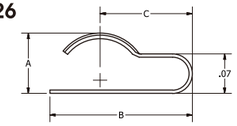
Contact gaskets are primarily used for grounding and shielding in high frequency applications. These gaskets provide engineers and designers with flexibility to solve their shielding and grounding issues. They are available in a variety of different lengths, widths and profiles. Standard factory length for Contact Series strips is 16". Individual contacts available in tape & reel packaging. Adhesive tape is optional - please consult factory.



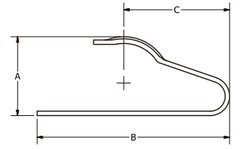
TUD00919



TUD01026



TUD01644

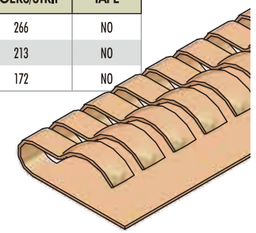


TUD00919 TUD01026 TUD01644 Contact Series

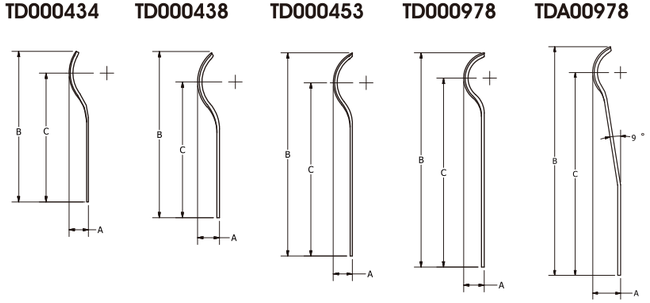
Black = inches Red = mm

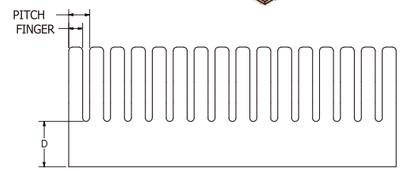
SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TUD00919X16	.09	2.29	.19	4.83	.11	2.79	.13	3.30	.040	1.02	.060	1.52	.004	.102	16	406	266	NO
TUD01026X16	.11	2.79	.26	6.60	.17	4.32	.22	5.59	.050	1.27	.075	1.90	.006	.152	16	406	213	NO
TUD01644X16	.16	4.06	.44	11.18	.24	6.10	.33	8.38	.062	1.57	.093	2.36	.010	.254	16	406	172	NO

XX - Select material/finish (see page 25)



TD000434 **TD000438** **TD000453** **TD000978** **TDA00978**



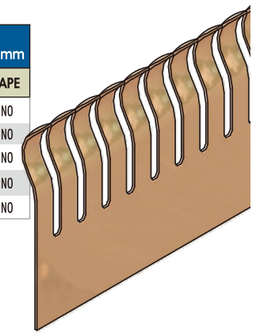


TD000434 TD000438 TD000453 TD000978 TDA00978 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MATERIAL THICK		LENGTH		FINGERS/STRIP	TAPE
TD000434X16	.04	1.02	.34	8.63	.29	7.37	.13	3.30	.040	1.02	.060	1.52	.004	.101	16	406	266	NO
TD000438X16	.05	1.27	.38	9.65	.31	7.87	.062	1.575	.050	1.27	.075	1.90	.006	.152	16	406	213	NO
TD000453X16	.05	1.27	.53	13.46	.47	11.94	.22	5.59	.050	1.27	.075	1.90	.006	.152	16	406	213	NO
TD000978X16	.05	1.27	.78	19.81	.66	16.76	.31	7.87	.062	1.57	.093	2.36	.010	.254	16	406	172	NO
TDA00978X16	.09	2.29	.78	19.81	.66	16.76	.31	7.87	.062	1.57	.093	2.36	.010	.254	16	406	172	NO

XX - Select material/finish (see page 25)



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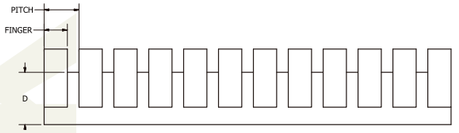
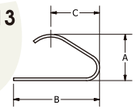
Other dimensions available upon request, please contact your SEM representative.

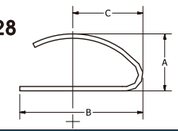
Contact Series
GASKETS



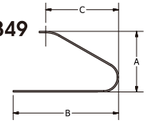
TU000713

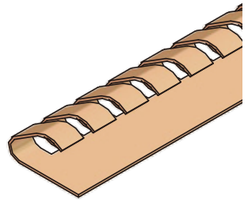


TU001328



TU002849



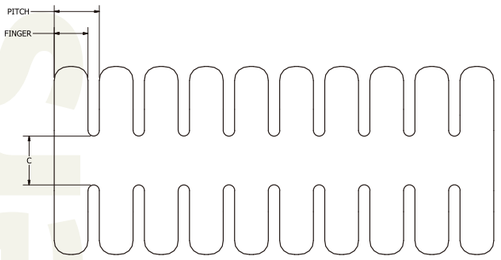


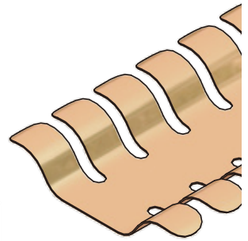
TU000713 TU001328 TU002849 Contact Series

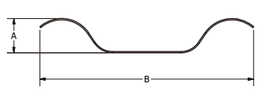
Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TU000713X16	.07	1.78	.13	3.30	.07	1.78	.09	2.29	.040	1.02	.060	1.52	.004	.102	16	406	266	NO
TU001328X16	.13	3.30	.28	7.11	.16	4.06	.23	5.84	.095	2.41	.135	3.43	.010	.254	16	406	118	NO
TU002849X16	.28	7.11	.49	12.45	.34	8.64	.38	9.65	.125	3.17	.187	4.75	.006	.152	16	406	85	NO

XX - Select material/finish (see page 25)





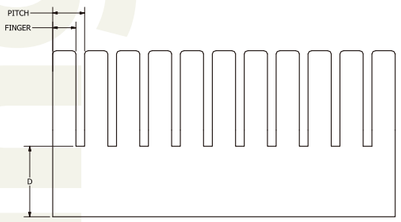


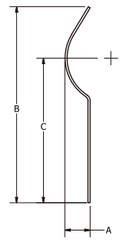
TR201178 Contact Series

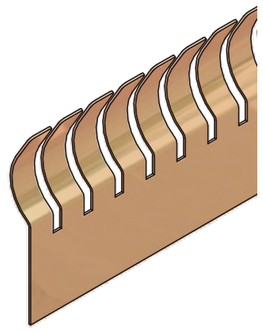
Black = inches Red = mm

SEM P/N	A		B		C		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TR201178X16	.13	3.30	.78	19.81	.20	5.08	.140	3.56	.187	4.750	.005	.127	16	406	86	NO

XX - Select material/finish (see page 25)





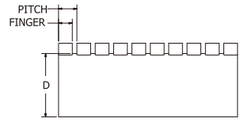


TS001190 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP
TS01190X16	.11	2.79	.90	22.86	.66	16.76	.38	9.65	.125	3.17	.172	4.37	.010	.254	16	406	93

XX - Select material/finish (see page 25)

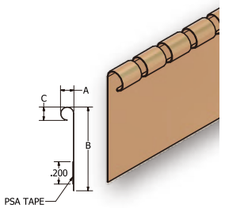


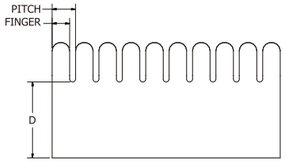
TRS01275 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TRS01275X16	.12	3.05	.75	19.05	.12	3.05	.65	16.51	.140	3.56	.187	4.75	.005	.127	16	406	85	YES

XX - Select material/finish (see page 25)



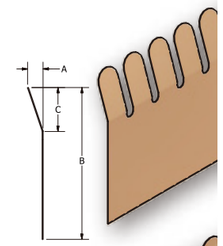


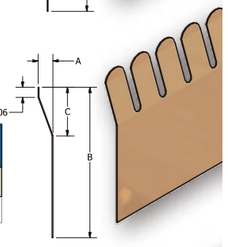
TRB00892 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TRB00892X16	.09	2.29	.92	23.37	.30	7.62	.61	15.49	.140	3.56	.187	4.75	.005	.127	16	406	85	NO

XX - Select material/finish (see page 25)



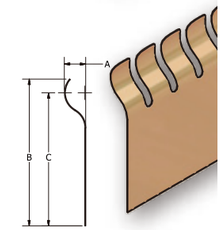


TRC00892 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TRC00892X16	.09	2.29	.92	23.37	.30	7.62	.63	16.00	.140	3.56	.187	4.75	.005	.127	16	406	85	NO

XX - Select material/finish (see page 25)

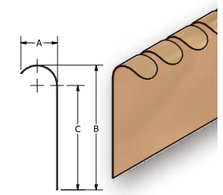


TRA01189 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TRA01189X16	.13	3.30	.89	22.61	.81	20.57	.60	15.24	.140	3.56	.187	4.75	.005	.127	16	406	85	NO

XX - Select material/finish (see page 25)



TRR02277 Contact Series

Black = inches Red = mm

SEM P/N	A		B		C		D		FINGER		PITCH		MAT. THICK		LENGTH		FINGERS/STRIP	TAPE
TRR02277X16	.23	5.84	.77	19.56	.64	16.26	.62	15.75	.140	3.56	.187	4.75	.005	.127	16	406	85	NO

XX - Select material/finish (see page 25)

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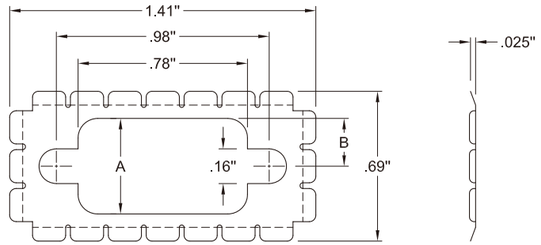
Other dimensions available upon request, please contact your SEM representative.

Pin D Connectors

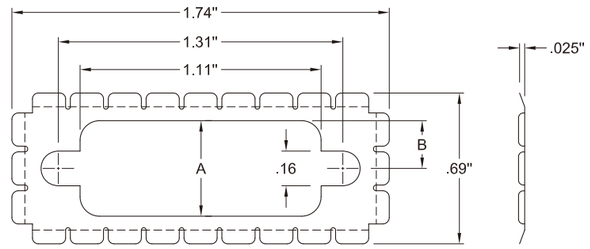
TT9DXX 9 Pin Connector- .004" Thick

Part Number	Material	A	B
TT9D01	Stainless Steel	.44"	.22"
TT9D21	Beryllium Copper	.44"	.22"
TT9D02	Stainless Steel	.35"	.18"
TT9D22	Beryllium Copper	.35"	.18"



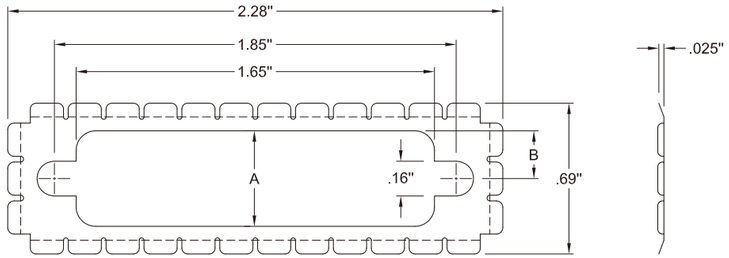
TT15DXX 15 Pin Connector- .004" Thick

Part Number	Material	A	B
TT15D01	Stainless Steel	.44"	.22"
TT15D21	Beryllium Copper	.44"	.22"
TT15D02	Stainless Steel	.35"	.18"
TT15D22	Beryllium Copper	.35"	.18"



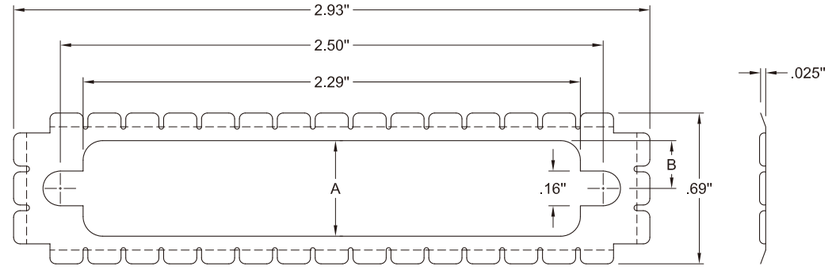
TT25DXX 25 Pin Connector- .004" Thick

Part Number	Material	A	B
TT25D01	Stainless Steel	.44"	.22"
TT25D21	Beryllium Copper	.44"	.22"
TT25D02	Stainless Steel	.35"	.18"
TT25D22	Beryllium Copper	.35"	.18"



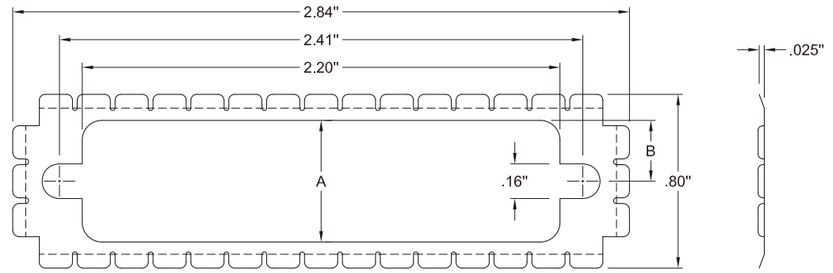
TT37DXX 37 Pin Connector- .004" Thick

Part Number	Material	A	B
TT37D01	Stainless Steel	.44"	.22"
TT37D21	Beryllium Copper	.44"	.22"
TT37D02	Stainless Steel	.35"	.18"
TT37D22	Beryllium Copper	.35"	.18"



TT50DXX 50 Pin Connector- .004" Thick

Part Number	Material	A	B
TT50D01	Stainless Steel	.55"	.28"
TT50D21	Beryllium Copper	.55"	.28"
TT50D02	Stainless Steel	.45"	.23"
TT50D22	Beryllium Copper	.45"	.23"



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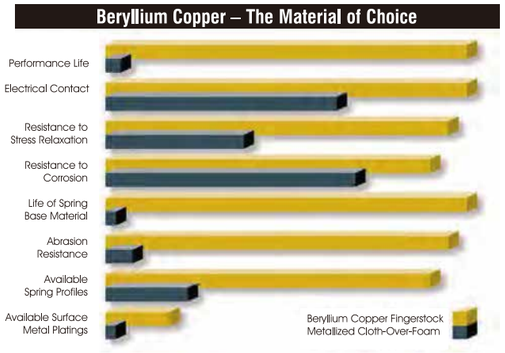
Other dimensions available upon request, please contact your SEM representative.

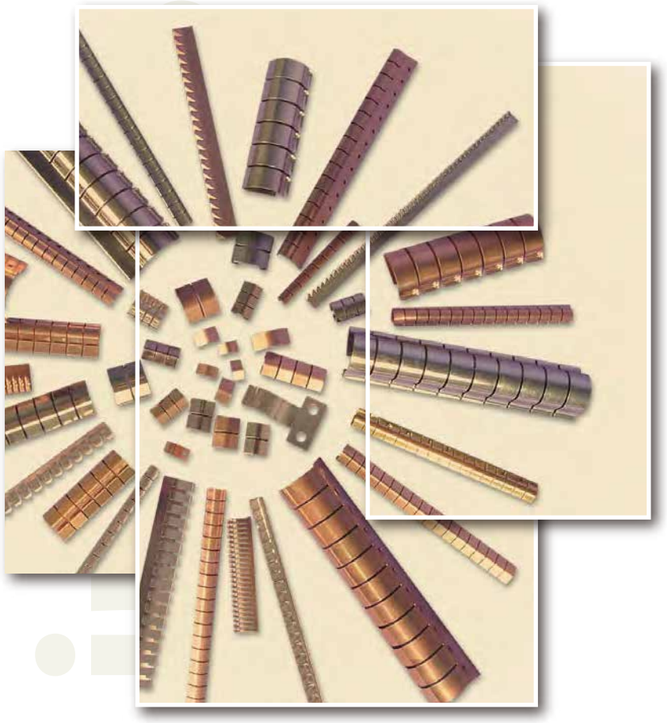
Application of Fingerstock Gaskets

EMI designers know and trust the consistent performance of Fingerstock (BeCu) gaskets. To date, BeCu yields the best electrical spring contact available in this industry. The beryllium copper mills have well established techniques and for decades have produced BeCu alloys per ASTM, SAE, JIS, and DIN specifications.

SEM uses only proven technology in creating beryllium copper springs, contacts and gaskets. Beginning with Alloy 25 (1/4 hard) BeCu, we stamp, form, and post heat-treat to a hardness of 340 to 390 DPH. This process is preferred in the EMI shielding industry because it has proven to produce the best electrical spring contacts. SEM BeCu EMI shielding gaskets are the most reliable in the industry.

SEM manufactures a wide variety of standard styles and sizes of BeCu gaskets. These gaskets operate in spaces from .010 inches up to .410 inches. Using BeCu materials as thin as .002 inch, we also offer many styles as soft gaskets that provide the low compression force needed in many applications. SEM also designs and manufactures custom spring contacts and gaskets.





FINGERSTOCK GASKETS DO TWO THINGS VERY WELL:

1. **Their mechanical spring characteristics far surpass all other gaskets in the industry.**
2. **They offer the highest EMI shielding effectiveness.**

SEM has been designing and manufacturing Fingerstock Gaskets since the early days of the computer and electronics industries. We combine these years of manufacturing and EMI experience with one key ingredient – the needs of the customer.

Our innovative Fingerstock Gasket designs are a direct result of our experience and customer input. Our Compact PCI line of EMI Gaskets is an example of a design that was driven by the needs of a customer and evolved into a line of gaskets that meet all the requirements for Compact PCI faceplate standards while providing superior mechanical and shielding performance.

SEM offers many standard off-the-shelf Fingerstock Gaskets as well as the engineering and custom manufacturing experience to help you solve your application. Whether you need one prototype or a large quantity order, our team at SEM is available to respond to your needs.

Ordering Information

When placing an order or requesting a quotation, please give part number, your required finish I.D. from the chart below, and required length.

PART NUMBER EXAMPLE:				
Stock Item		Finish Code		Length
TRHS1132	–	T	–	16

The above example is the "Slot Mount Series" gasket shown on page 7. The height is .11 inch and the width is .32 inch. The "-S-" indicates a soft gasket. The "T" indicates a bright tin finish. See list below for available finishes. This part is available in lengths of 16 inches. Consult factory for custom lengths or for availability in 25' coils.

Available Plating Finishes:		
Finish Type	Applicable Specifications	SEM Finish Code
Bright Finish	-	B
Bright Tin	ASTM B-545, CLASS A	T
Satin/Matte Tin	ASTM B-545, CLASS A	T*
Electro-less Nickel RoHS	ASTM B-733, SC 1, CLASS 1	N
Zinc/Chromate Clear	ASTM B-633, SC1, TYPE III	Z
Zinc/Chromate Yellow	ASTM B-633, SC1, TYPE II	Y
Clear Cadmium Chromate	ASTM B-766, CLASS 5, TYPE III	C
Yellow Cadmium Chromate	ASTM B-766,CLASS 5, TYPE II	C*
Bright Silver	ASTM B-700, TYPE 2, GRADE B, CLASS N	A
Satin/Matte Silver	ASTM B-700, TYPE 2, GRADE A, CLASS N	A*
Gold	ASTM B-488, TYPE I, CODE C, CLASS 1.25	G

Standard plating finish is .0001 inch (.0025 mm) minimum. Plating processes and thicknesses may be varied to meet customer needs. Standard plating finish for gold is .00005 inches. See adjacent list of available finishes and consult factory for additional options.

Adhesive Mounting of EMI Gaskets

SEM tape mounted BeCu gaskets offer pressure-sensitive, double-sided adhesive for strong bonding to a wide variety of surface conditions. Ideal for all-purpose contact strips used in metal cabinets and electronic enclosures and is unaffected by temperatures from -67 to +250°F (-55 to 121°C).

Simply follow these four easy steps:

1. Remove all grease and oily residue with a solvent such as isopropyl alcohol/water mixture (rubbing alcohol) or heptane. Dry and smooth the mounting surface with emery cloth if necessary.
2. Peel off the protective paper backing from the 3M adhesive tape.
3. Place the gasket in correct position. Press firmly to ensure a good bond to surface. Avoid repositioning, which might impair the effectiveness of the adhesive or may bend or kink the strip. NOTE: On strips where fingers cover the solid portion of the gasket, pressure may be applied by inserting a mandrel in the strip and pressing down.
4. At room temperature approximately 50% of the ultimate strength will be achieved after 20 minutes, 90% after 24 hours, and 100% after 72 hours. In some cases bond strength can be increased and ultimate bond strength can be achieved more quickly by exposure of the bond to elevated temperature, e.g., 150°F (66°C) for 1 hour.

The SEM family of 3M taped shielding gaskets is solvent, moisture and temperature tolerant, and performs well in shear/wipe and compression applications of all kinds. The 3M adhesive meets a number of specs including Mil Standard. For further information please consult the factory.

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Other dimensions available upon request, please contact your SEM representative.

Metals Galvanic Compatibility Chart

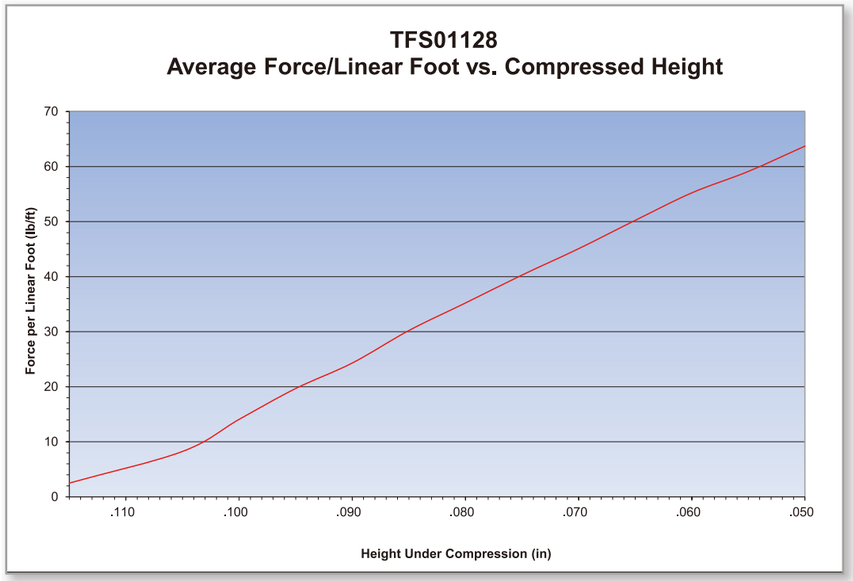
Group Number	Metallurgical Category		Compatible Surface Finishes
			Gold / Silver / Nickel / Be-Cu / Tin / Sn-Pb / Zinc
1	Gold, solid and plated, Wrought platinum, graphite carbon	.00	
2		.05	
3	Rhodium plating	.10	
4	Silver, high-silver alloys	.15	
5		.20	
6		.25	
7	Nickel, nickel-copper alloys, titanium, titanium alloys, Monel	.30	
8	Beryllium Copper, low brasses or bronzes, silver solder, copper, Ni-Cr alloys, austenitic corrosion resistant steels, most chrome-moly steels, specialty high-temp stainless steels	.35	
9	Commercial yellow brasses and bronzes	.40	
10	High brasses and bronzes, naval brass, Muntz metal	.45	
11	18% Cr type corrosion resistant steels, common 300 series stainless steels	.50	
12		.55	
13	Chromium or tin plating; 12% Cr type corrosion resistant steels, most 400 series stainless steels, i.e., 410 and some cast stainless steels	.60	
14	Terreplate, tin-lead solder	.65	
15	Lead; high-lead alloys	.70	
16	Wrought 2000 series aluminum alloys	.75	
17		.80	
18	Wrought aluminum alloys except 2000 series cast Al-Si alloys, 5000 series aluminum	.85	
19		.90	
20	Cast aluminum alloys other than Al-Si; cadmium plating	.95	
21		1.00	
22		1.05	
23		1.10	
24		1.15	
25	Hot Dipped galvanized or electrogalvanized steel	1.20	
26	Wrought zinc; zinc die cast alloys	1.25	
27		1.30	
28		1.35	
29		1.40	
30		1.45	
31		1.50	
32		1.55	
33		1.60	
34		1.65	
35		1.70	
36	Wrought and cast magnesium alloys	1.75	
37		1.80	
38	Beryllium	1.85	

*Harsh Environment .10 volts Max *Normal Environment .25 volts Max. *Office Environment .50 volts Max

Compression / Deflection Performance

SEM Part No.	Design Compressed Height	Compression Force (lbs./linear ft.)
TT000323	.018 (.46)	25
TT000634	.049 (1.24)	33
TT200650	.049 (1.24)	43
TUD00919	.072 (1.83)	30
TRH01132	.035 (.89)	34
TC041145	.090 (2.29)	19

SEM Part No.	Design Compressed Height	Compression Force (lbs./linear ft.)
TDT01445	.098 (2.49)	24
TAH02260	.140 (3.56)	25
TRH02260	.070 (1.78)	48
TFSC2376	.130 (3.30)	34
TC072599	.140 (3.56)	36
TFS02578	.150 (3.81)	36



The data presented is based on testing and to our knowledge is accurate and true. Since applications, test methods, and test procedures may vary, we recommend that users of our products perform their own test to assure the suitability of these specific applications. We offer no product warranty, either expressed or implied, except that any product proven defective will be replaced. Freedom from present or future patent infringement cannot be guaranteed, nor can the suitability of our products for specific applications.

Other dimensions available upon request, please contact your SEM representative.