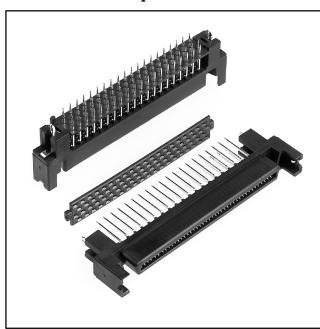
3M™ SCA-2 Socket

Boardmount Receptacle, Vertical or Extended Straight, Thru-Hole

SCA2 Series



- Single Connector Attach (SCA-2) per Small Form Factor (SFF) Industry Standard
- Available in 40 and 80 positions
- Ribbon type contacts
- Two level contact sequencing offers power and ground engagement prior to signal transmission
- ESD contacts offer advanced grounding for hot plugging
- Polarization feature prevents PCB placement errors
- Retention clip eliminates connector movement on PCB
- 6 mm Extended Version with Standard Height, Thru-Hole Solor Tails

Date Modified: June 8, 2006

TS-1071-02 Sheet 1 of 4

Physical

Insulation

Material: Glass filled Thermoplastic

Flammability: UL 94V-0 Color: Black

Contacts

Material: Phosphor Bronz

Plating

Underplating: Refer to Ordering Information
Wiping Area: Refer to Ordering Information
Solder Tails: 100 y [2.14 n] min. Tin/Lead

ESD Contacts Only:

Underplating: $50 \mu L 1.27 \mu m$] min. Nickel U Over: $10 \mu L 1.27 \mu m$] min. Tin/Lead

Connector Mating Cycles 500 cycles

Electrical

Current Rating: 1 A

Insulation Resistance: >1 x $10^9 \Omega$ min. at 500 V DC **Dialectric Withstanding Voltage:** 500 V AC for 1 minute

Environmental

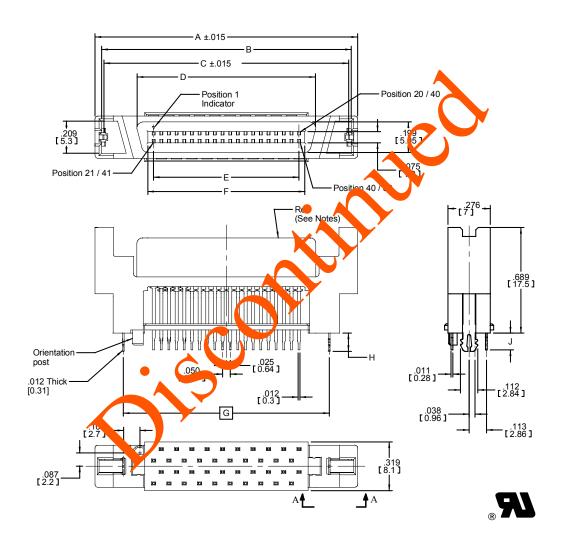
Temperature Rating: -40°C to +105°C

UL File No.: E68080

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Extended

Contact Qty	A	В	C	D	E	F	G	H grnd tabs	J sig. tails	К
40	1.72	1.63	1.58	1.168	.950	1.025	1.343	see	see	1.343
	[43.6]	[41.4]	[40.2]	[29.67]	[24.13]	[26.03]	[34.11]	order info	order info	[34.11]
80	2.72	2.63	2.58	2.168	1.950	2.025	2.343	see	see	2.343
	[69]	[66.8]	[65.6]	[55.07]	[49.53]	[51.43]	[59.51]	order info	order info	[59.51]



Notes

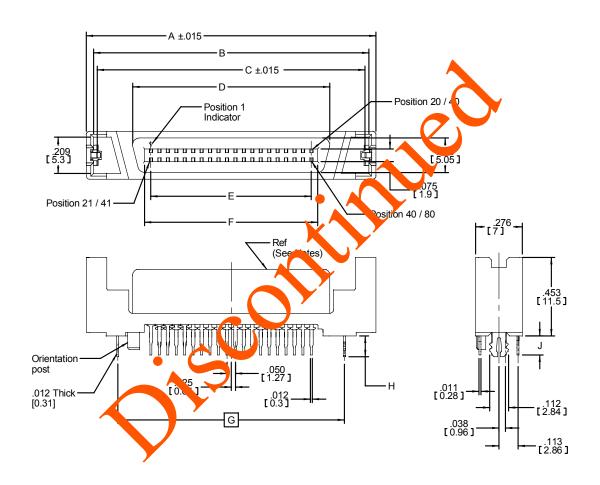
- 1. Long signal contacts measured from Reference = 0.078" [1.98] Typical. This dimension applies to position numbers: [(80 pos.): 1, 36 thru 43, 45, 46 & 75 thru 80] [(40 pos.): 21 thru 23, 26, 29, 32, & 35 thru 40]
- 2. Short signal contacts measured from Reference = 0.098" [2.48] Typical. This dimension applies to position numbers: [(80 pos.): 2 thru 35, 44, & 47 thru 74] [(40 pos.): 1 thru 20, 24, 25, 27, 28, 30, 31, 33 & 34]
- 3. ESD contacts measured from Reference = 0.039" [1.0] Typical

TS-1071-01 Sheet 2 of 4

Boardmount Receptacle, Vertical or Extended Straight, Thru-Hole

Vertical

Contact Qty	A	В	C	D	E	F	G	H grnd tabs	J sig. tails	К
40	1.72	1.63	1.58	1.168	.950	1.025	1.343	see order	see order	1.343
	[43.6]	[41.4]	[40.2]	[29.67]	[24.13]	[26.03]	[34.11]	info	info	[34.11]
80	2.72	2.63	2.58	2.168	1.950	2.025	2.343	see	see	2.343
	[69]	[66.8]	[65.6]	[55.07]	[49.53]	[51.43]	[59.51]	order info	order info	[59.51]



Notes

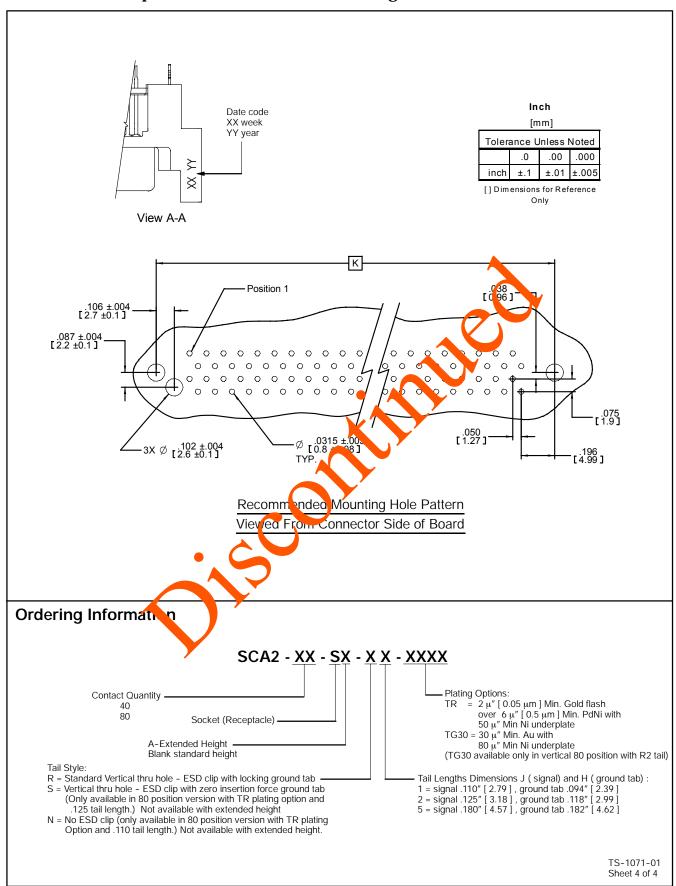
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TS-1071-01 Sheet 3 of 4

Boardmount Receptacle, Vertical or Extended Straight, Thru-Hole



800-225-5373

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