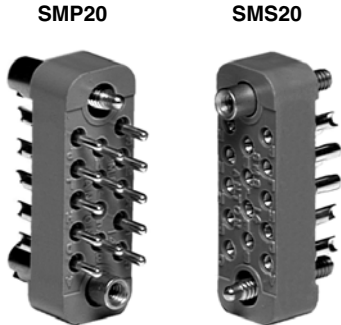


Rack and Panel Connectors Subminiature Rectangular



FEATURES

- Lightweight.
- Polarized by guides or screwlocks.
- Screwlocks lock connectors together to withstand vibration and accidental disconnect.
- Overall height kept to a minimum.
- Floating contacts aid in alignment and in withstanding vibration.
- Contacts, precision machined and individually gauged, provide high reliability.
- Insertion and withdrawal forces kept low without increasing contact resistance.
- Contact plating provides protection against corrosion, assures low contact resistance and ease of soldering.

APPLICATIONS

For use wherever space is at a premium and a high quality connector is required in avionics, automation, communications, controls, instrumentation, missiles, computers and guidance systems.

ELECTRICAL SPECIFICATIONS

Current Rating: 7.5 amps.
Breakdown Voltage:
 At sea level: 2000 V RMS.
 At 70,000 feet [21,336 meters]: 500 V RMS.

PHYSICAL SPECIFICATIONS

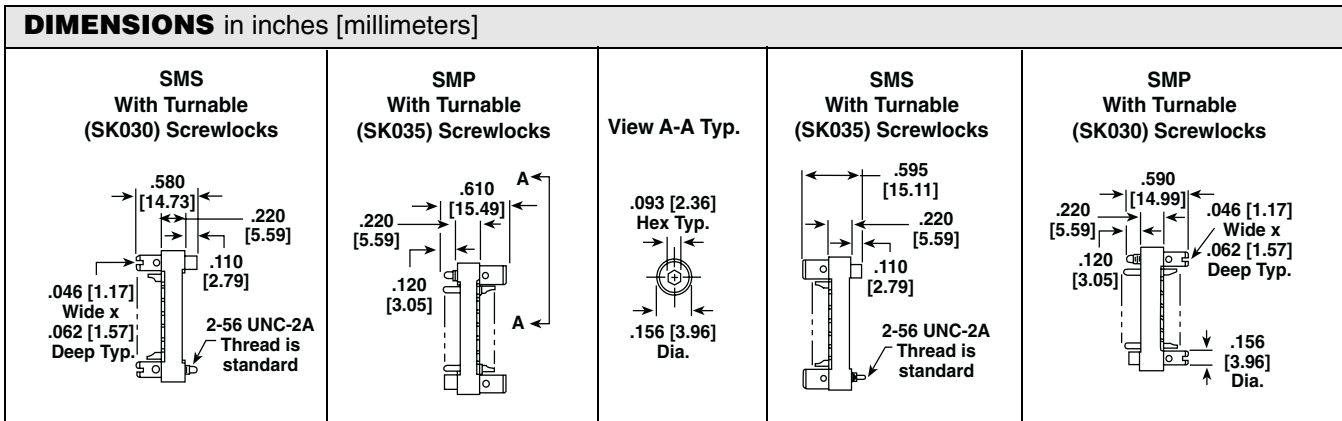
Number of Contacts: 5, 7, 11, 14, 20, 26, 34, 42, 50, 75.
Contact Spacing: .120" [3.05mm].
Contact Gauge: #20 AWG.
Minimum Creepage Path Between Contacts: .080" [2.03mm].
Minimum Air Space Between Contacts: .050" [1.27mm].

MATERIAL SPECIFICATIONS

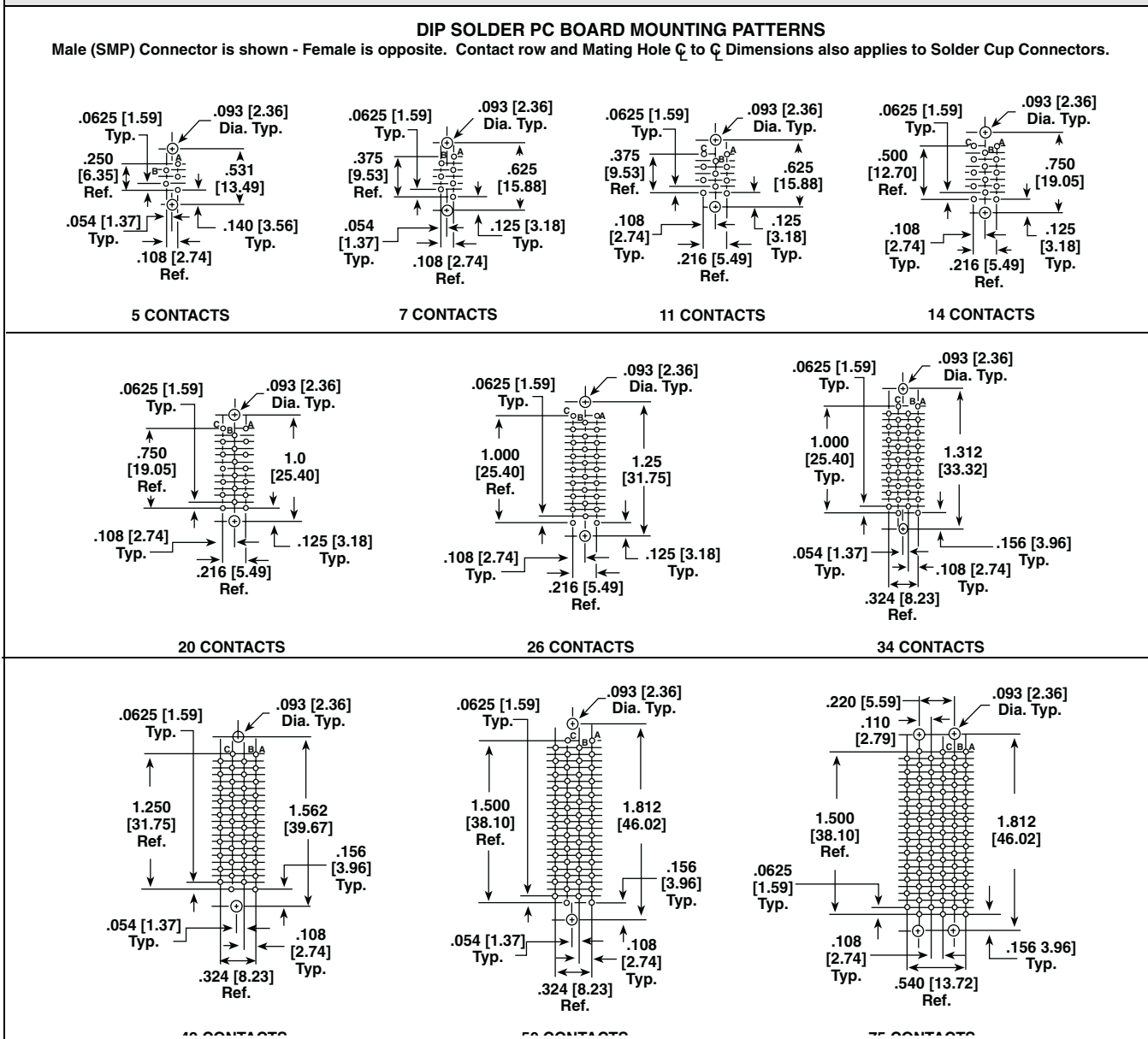
Contact Pin: Brass, gold plated.
Contact Socket: Phosphor bronze, gold plated. (Beryllium copper available on request.)
Guides: Stainless steel, passivated.
Screwlocks: Stainless steel, passivated.
Standard Body: Glass-filled diallyl phthalate per MIL-M-14, Model GDI-30F, green.

DIMENSIONS in inches [millimeters]

<p style="text-align: center;">SMS With Fixed Standard Guides</p>	<p style="text-align: center;">SMDS - DETAIL B Dip Solder Contact Option</p>	<p style="text-align: center;">SMP With Fixed Standard Guides</p>	<p style="text-align: center;">SMDP - DETAIL C Dip Solder Contact Option</p>
<p style="text-align: center;">SMS With Fixed (SL) Screwlocks</p>	<p style="text-align: center;">SMP With Turnable (SK) Screwlocks</p>	<p style="text-align: center;">SMS With Turnable (SK) Screwlocks</p>	<p style="text-align: center;">SMP With Fixed (SL) Screwlocks</p>

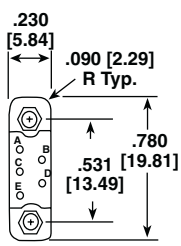


TERMINAL VARIATIONS in inches [millimeters]

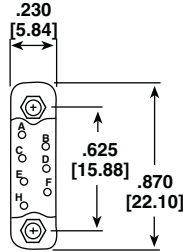


DIMENSIONS in inches [millimeters]

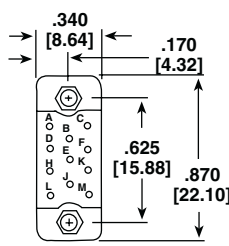
NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware is assembled at "A" contact end of a pin model connector.



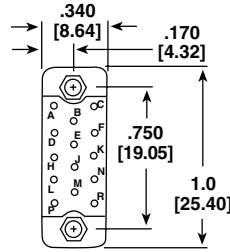
5 CONTACTS



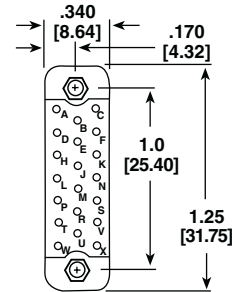
7 CONTACTS



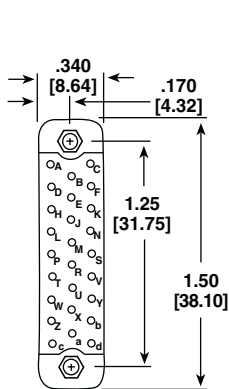
11 CONTACTS



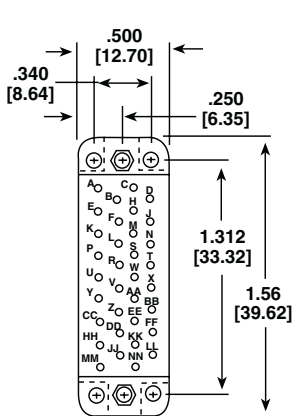
14 CONTACTS



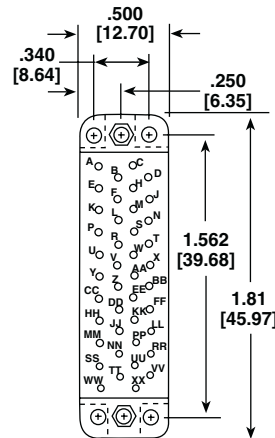
20 CONTACTS



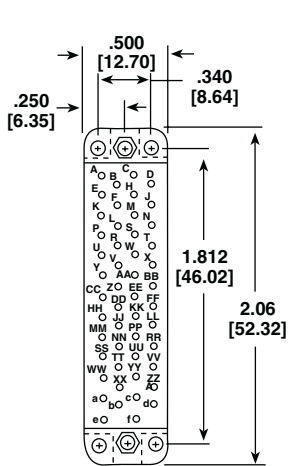
26 CONTACTS



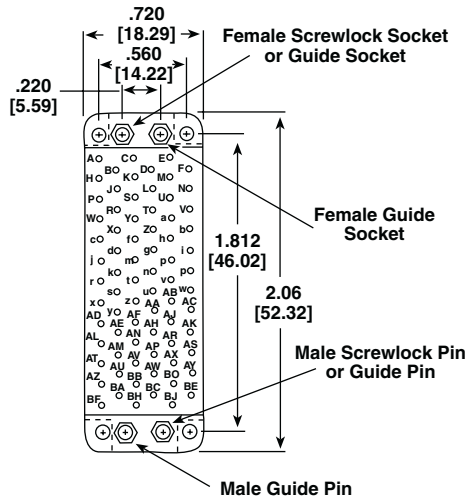
34 CONTACTS



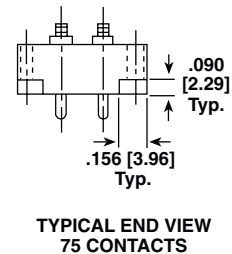
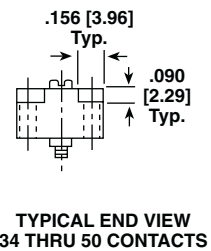
42 CONTACTS



50 CONTACTS



75 CONTACTS



PANEL CUTOUT in inches [millimeters]						
	NUMBER OF CONTACTS	A	B	C	D	FIGURE
<p>FIGURE I</p>	5	.230 [5.84]	.531 [13.49]	.410 [10.41]	—	I
	7	.230 [5.84]	.625 [15.88]	.500 [12.70]	—	
	11	.340 [8.64]	.625 [15.88]	.530 [13.46]	—	
	14	.340 [8.64]	.750 [19.05]	.620 [15.75]	—	
	20	.340 [8.64]	1.0 [25.40]	.910 [23.11]	—	
	26	.340 [8.64]	1.25 [31.75]	1.16 [29.46]	—	
<p>FIGURE II</p>	34	.500 [12.70]	1.312 [33.32]	1.16 [29.46]	.343 [8.71]	II
	42	.500 [12.70]	1.562 [39.68]	1.41 [35.81]	.343 [8.71]	
	50	.500 [12.70]	1.812 [46.02]	1.66 [42.16]	.343 [8.71]	
<p>FIGURE III</p>	75	.720 [18.29]	1.812 [46.02]	1.66 [42.16]	.562 [14.28]	III

ORDERING INFORMATION

C	SM	B	S	20	G	26	R	027*
CONTACTS	MODEL	CONTACT TYPE	CONTACT STYLE	CONTACT SIZE	PLATING	NUMBER OF CONTACTS	(OPTIONAL)	HARDWARE OPTIONS
	Subminiature		P = Pin S = Socket	#20 AWG		5, 7, 11, 14, 20, 26, 34, 42, 50, 75		
(OPTIONAL) Closed entry socket contacts only. Omit for standard contacts.					Optional plating available: G = Gold (.00003 thick) over nickel. G5 = Gold (.00005 thick) over nickel. Omit designator for gold (.00001 thick) over nickel.		(OPTIONAL) R = Reversed guides or screwlocks. Omit for standard.	
		(OPTIONAL) B = Beryllium copper, socket contacts (Solder cup). D = Dip solder contacts.						(Omit if no hardware desired) 027 = Slotted cres guides .090" [2.29mm] diameter. SK = Turnable screwlocks with 2-56 threads. SK3 = Turnable screwlocks with 3-48 threads. SL = Fixed screwlocks with 2-56 threads. SL3 = Fixed screwlocks with 3-48 threads. SK030 = Turnable screwlocks with short slotted knobs. SK035 = Turnable screwlocks with socket head knobs. SK3030 = Turnable screwlocks with short slotted knobs with 3-48 threads. SK3035 = Turnable screwlocks with socket head knobs with 3-48 threads.

EXAMPLES:

SMBS20-26SK035 = Female, 26 beryllium copper socket contacts with socket head knobs on turnable screwlocks for #20 AWG wiring.
SMP20-14SL3 = Male, 14 contact pins, fixed screwlocks with 3-48 threads for #20 AWG wiring.

*To order complete connector with hardware supplied unassembled, add suffix "UA" on end of hardware designation.



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