

**Note:** All part numbers are RoHS Compliant.

**Circular Plastic Connectors, Series 2**

**CPC Connectors, Series 2 for Cable or Panel Mount**  
(Accepts Size 20 DM or DF Crimp, Snap-In Contacts)



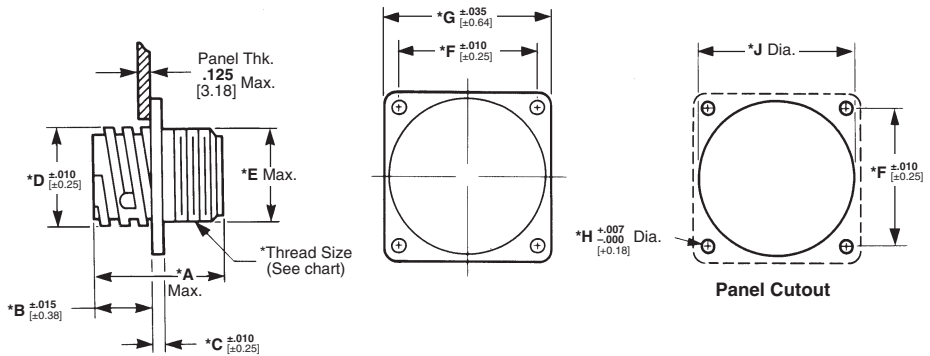
Listed part numbers are for connectors only; **contacts must be ordered separately.**

**Material**  
**Housing**—Thermoplastic, 94V-0 rated, black

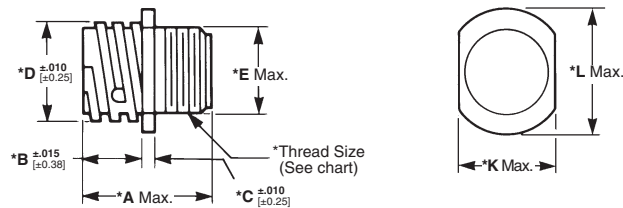
**Related Product Data**

- Contacts**—Pages 29-30
- Contact Arrangement**—Page 31
- Component Dimensions**—Page 32\*
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**Square Flange Receptacle**

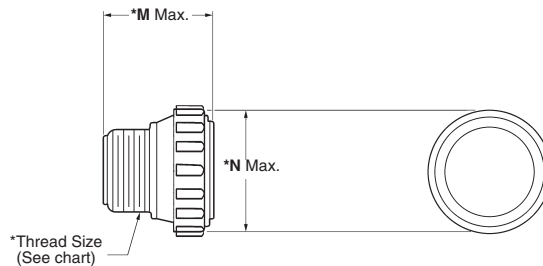


**Free-Hanging Receptacle**



**\*Note:** See page 32 for callout dimensions

**Plug**



**Standard Sex Connectors**

(Receptacles accept Size 20 DM or DF pin contacts, Plugs accept Size 20 DM or DF socket contacts)

Arrangement	Square Flange Receptacle		Free-Hanging Receptacle	Plug
	With Mounting Holes	With Threaded Inserts <sup>1</sup>		
11-8	205841-1	205841-3	205841-2	205838-1
11-9	206486-1	206852-8	206486-2	206485-1
17-28	205840-3	205840-4	206152-1	205839-3
23-63	205843-1	—	205843-2	205842-1

<sup>1</sup>Four 4-40 threaded inserts per receptacle.

**Reverse Sex Connectors**

(Receptacles accept Size 20 DM or DF socket contacts, Plugs accept Size 20 DM or DF pin contacts)

**Replacement Coupling Rings**

Shell Size	Part No.
11	213811-1
17	213810-1
23	213812-1

Arrangement	Square Flange Receptacle		Free-Hanging Receptacle	Plug
	With Mounting Holes	With Threaded Inserts <sup>1</sup>		
11-8	206433-1	206433-3	206433-2	206434-1
17-28	206038-1	206038-4	206038-2	206039-1
23-57	206438-1	—	206438-2	206437-1

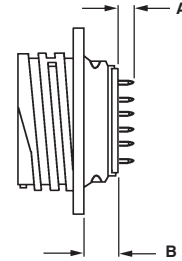
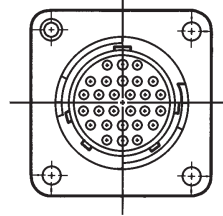
<sup>1</sup>Four 4-40 threaded inserts per receptacle.

**Note:** For Standard and Reverse Sex Connectors the maximum wire insulation diameter is .068 [1.73].

CPC Series 2

**Circular Plastic Connectors, Series 2** (Continued)

**Receptacles, Printed  
Circuit Board Mount**  
with .025 [0.64] sq. solder tails



**Material and Finish**

**Housing**—Thermoplastic, 94V-0 rated, black

**Contacts**—

**A**—Duplex plated gold flash on entire contact with .000030 [0.00076] min. gold on contact engagement area, tin on the termination area, all over .000050 [0.00127] min. nickel under-plating

**B**—Plated gold flash on the entire contact, tin on the termination area

**Related Product Data**

**Contact Arrangement**—Page 31

**Performance Characteristics**—Page 6

**Technical Documents**—Page 80

**Accessories**—Pages 38-42

**Standard Sex (Posted Pin Contacts)**

Arrangement		Receptacle Assemblies		Dimensions		Contact Finish Code
Shell Size	No. of Positions	Mounting Holes	4-40 Threaded Inserts <sup>1</sup>	A	B	
11-9		1-206852-2	—	.125 3.18	.230 5.84	A
		1-206852-1	—	.352 8.94	.230 5.84	A
17-28		1-207369-1	—	.125 3.18	.230 5.84	A
		1-207369-3	—	.352 8.94	.230 5.84	A
23-63		1-206455-2	—	.227 5.77	.338 8.59	A
		1-206455-1	—	.449 11.40	.338 8.59	A

<sup>1</sup>Four 4-40 threaded inserts per receptacle.

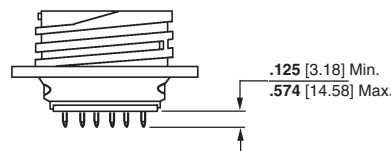
**Reverse Sex (Posted Socket Contacts)**

Arrangement		Receptacle Assemblies		Dimensions		Contact Finish Code
Shell Size	No. of Positions	Mounting Holes	4-40 Threaded Inserts <sup>1</sup>	A	B	
11-8		1-208657-1	—	.352 8.94	.285 7.24	A
		—	1-208657-0	.574 14.58	.230 7.24	A
17-28		1-207216-6	—	.125 3.18	.230 5.84	B
		1-207216-7	—	.352 8.94	.230 5.84	A
23-57		1-796329-1	—	.232 5.89	.333 8.46	A

<sup>1</sup>Four 4-40 threaded inserts per receptacle.

**Other Available  
Posted Contacts**

Tyco Electronics can make available contacts with various solder tail lengths for loading into the standard or reverse sex, square flange receptacles for applications requiring custom solder tail lengths.



**Note:** All part numbers are RoHS Compliant.

**Circular Plastic Connectors, Series 2** (Continued)

**Special CPC Connectors, Series 2**

(Pressure rated up to 30 psi)



Listed plug connector part numbers are for connectors only; **contacts must be ordered separately.**

**Material**

**Housing**—Thermoplastic, 94V-0 rated, black

**Feed-Thru Contacts**—Copper alloy, plated gold over nickel

**Related Product Data**

**Socket Contacts (for Plugs)**—Pages 29-30

**Contact Arrangement**—Page 31

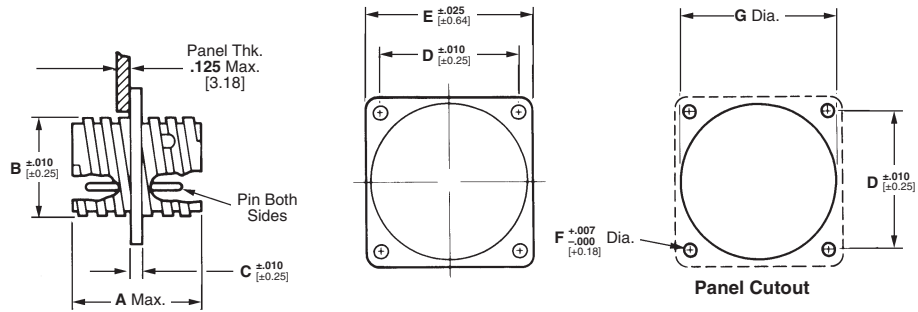
**Performance Characteristics**—Page 6

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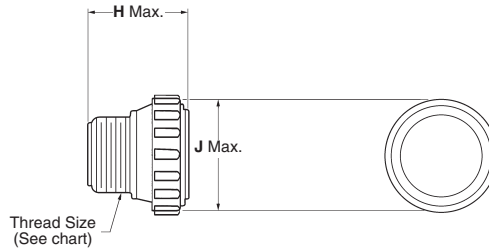
**Technical Documents**—Page 80

**Square Flange Feed-Thru Receptacles**

(with Permanently Sealed .040 [1.02] Dia. Solid Pins)



**Plug**



Arrangement No.	Dimensions									Thread Size
	A	B	C	D	E	F	G	H	J	
11-8	1.035 26.29	.688 17.48	.188 4.78	.844 21.44	1.125 28.58	.125 3.18	.840 21.34	.800 20.32	.975 24.77	5/8-24 UNEF-2A
17-28	1.040 26.42	1.050 26.67	.188 4.78	1.125 28.58	1.435 36.45	.150 3.81	1.210 30.73	.800 20.32	1.349 34.26	15/16-20 UNEF-2A

**Part Numbers**

Arrangement No.	Standard Numbering Plug	Reverse Numbering Plug	Square Flange Feed-Thru Receptacle
11-8	205838-1	206460-1	206458-1
17-28	206125-1	206126-1	206127-1

**Note:** One plug must have standard numbering of cavities, and the other plug must have reverse numbering of cavities.

CPC Series 2