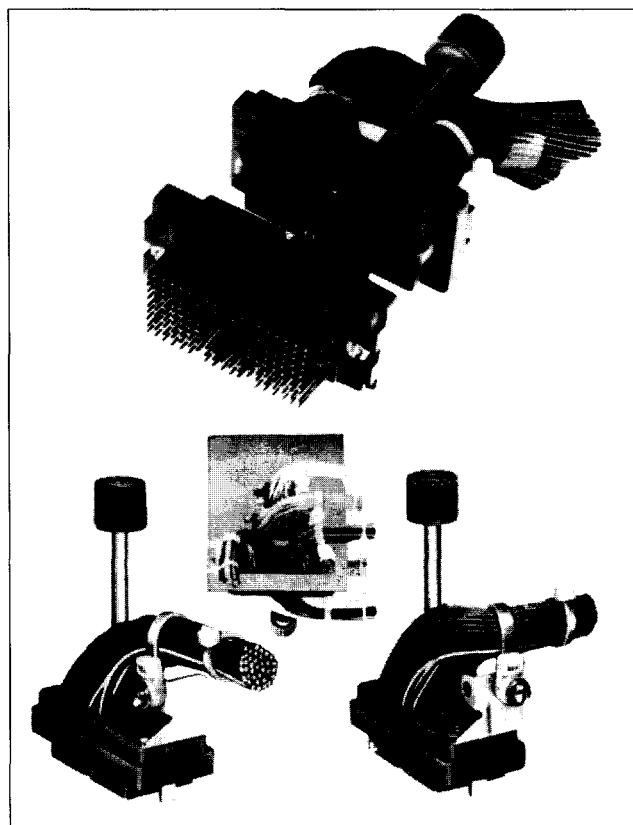


Series 8026 – 0.100" Rectangular Connector

FEATURES

- Economical miniature high-density connectors suitable for high-reliability and military applications.
- 0.100" (2.54mm) square grid rack and panel connectors with male and female insulators are available in four sizes: 33, 75, 117 and 165 contacts.
- Insertable / removable mini-varilok and mini-wrap contacts.
- Crimp and/or solderless wrap terminations.
- Exceptional versatility: all hardware can be mounted on plug or receptacle (see ordering code).
- Actuating screw facilitates mating and unmating; locks mated connectors together.
- Keyed and shrouded insulator design prevents incorrect mating and protects contacts from mishandling.
- Simplified polarizing hardware permits 36 polarization combinations per connector pair.
- Optional covers with top or side cable entry and clamp.
- Optional cable clamps.
- Choice of any combination of hardware — or no hardware.
- U.L. recognized-diallyl phthalate material.
- QPL approved-diallyl phthalate material.



TECHNICAL SPECIFICATIONS

CONTACTS

Current Rating:
5 amperes

Contact Resistance:
6 milliohms

Withdrawal Force:
2 to 8 ounces max. per contact

Material:
Phosphor Bronze

Standard Plating:
Gold, 10 microinches min.,
over Nickel,
50-100 microinches

Spacing:
0.100" (2.54mm)

INSULATORS

Insulation Resistance:
5,000 megohms, min.
(diallyl phthalate insulators)
5,000 megohms, min.
(polycarbonate insulators)

Dielectric Withstanding Voltage:
Sea Level: 1,000 Volts rms

Materials:
0.100" (2.54mm) spacing –
diallyl phthalate, glass-filled,
flame resistant

ORDERING CODE

00

8026

033

Number of Contacts
033 = 33
075 = 75
117 = 117
165 = 165

000

Contact Code

Order crimp contacts separately by Part Number. Otherwise specify contact code 491.

000 = Crimp (3000 - contact reel)



Part Number
60 8216 0323 00 339

000 = Crimp (loose contact)
Accepts #22-30 AWG wire



Part Number
60 8216 0313 00 339

491 = Wire wrappable removable contact .025" (.635mm) sq. x .564" (14.33mm) tail



Part Number
60 8216 0413 00 339

803

Variation Code

Add 050 to order alternative keying (Pin & Socket)
i.e. 701 = Standard hermaphroditic keying
751 = Pin and socket keying

Complete a 15 digit assembly number for each mating part, male and female.

Series 8026 – 0.100" Rectangular Connector

VARIATION CODES

33 Contacts
Table 1

Insulator Body Type	Variation Code No.	Actuating Screw	Fixed Nut	Keying Hardware	Cover
Male (Exposed Contacts)	701	Yes	No	Yes	No
	702	Yes	No	No	No
	703	No	Yes	Yes	No
	704	No	Yes	No	No
	733	No	No	Yes	No
	734	No	No	No	No
Female (Recessed Contacts)	801	No	Yes	Yes	No
	802	No	Yes	No	No
	803	Yes	No	Yes	No
	804	Yes	No	No	No
	833	No	No	Yes	No
	834	No	No	No	No

33 Contacts
Table 2

Insulator Body Type	Variation Code No.	Actuating Nut	Fixed Nut	Keying Hardware	Cover
Male (Exposed Contacts)	501	Yes	No	Yes	No
	502	Yes	No	No	No
	503	No	Yes	Yes	No
	504	No	Yes	No	No
Female (Recessed Contacts)	601	No	Yes	Yes	No
	602	No	Yes	No	No
	603	Yes	No	Yes	No
	604	Yes	No	No	No

75, 117 & 165 Contacts
Table 3

Insulator Body Type	Variation Code No.			Cable Entrance	Actuating Screw	Fixed Nut	Keying Hardware
	Without Cover	Cover Small Clamp	Cover Large Clamp				
Male (Exposed Contacts)	701	—	—	No	Yes	No	Yes
	702	—	—	No	Yes	No	No
	703	—	—	No	No	Yes	Yes
	704	—	—	No	No	Yes	No
	733	—	—	No	No	No	Yes
	734	—	—	No	No	No	No
	—	705	713	Top	Yes	No	Yes
	—	706	714	Side	Yes	No	Yes
	—	707	715	Top	Yes	No	No
	—	708	716	Side	Yes	No	No
	—	709	717	Top	No	Yes	Yes
	—	710	718	Side	No	Yes	Yes
	—	711	719	Top	No	Yes	No
	—	712	720	Side	No	Yes	No
	—	735	739	Top	No	No	Yes
	—	736	740	Side	No	No	Yes
	—	737	741	Top	No	No	No
	—	738	742	Side	No	No	No
	801	—	—	No	No	Yes	Yes
	802	—	—	No	No	Yes	No
Female (Recessed Contacts)	803	—	—	No	Yes	No	Yes
	804	—	—	No	Yes	No	No
	833	—	—	No	No	No	Yes
	834	—	—	No	No	No	No
	—	805	813	Top	No	Yes	Yes
	—	806	814	Side	No	Yes	Yes
	—	807	815	Top	No	Yes	No
	—	808	816	Side	No	Yes	No
	—	809	817	Top	Yes	No	Yes
	—	810	818	Side	Yes	No	Yes
	—	811	819	Top	Yes	No	No
	—	812	820	Side	Yes	No	No
	—	835	839	Top	No	No	Yes
	—	836	840	Side	No	No	Yes
	—	837	841	Top	No	No	No
	—	838	842	Side	No	No	No

Table 4

Insulator Body Type	Variation Code No.			Cable Entrance	Actuating Nut	Fixed Screw	Keying Hardware
	Without Cover	Cover Small Clamp	Cover Large Clamp				
Male (Exposed Contacts)	501	—	—	No	Yes	No	Yes
	502	—	—	No	Yes	No	No
	503	—	—	No	No	Yes	Yes
	504	—	—	No	No	Yes	No
	—	505	513	Top	Yes	No	Yes
	—	506	514	Side	Yes	No	Yes
	—	507	515	Top	Yes	No	No
	—	508	516	Side	Yes	No	No
	—	509	517	Top	No	Yes	Yes
	—	510	518	Side	No	Yes	Yes
	—	511	519	Top	No	Yes	No
	—	512	520	Side	No	Yes	No
Female (Recessed Contacts)	601	—	—	No	No	Yes	Yes
	602	—	—	No	No	Yes	No
	603	—	—	No	Yes	No	Yes
	604	—	—	No	Yes	No	No
	—	605	613	Top	No	Yes	Yes
	—	606	614	Side	No	Yes	Yes
	—	607	615	Top	No	Yes	No
	—	608	616	Side	No	Yes	No
	—	609	617	Top	Yes	No	Yes
	—	610	618	Side	Yes	No	Yes
	—	611	619	Top	Yes	No	No
	—	612	620	Side	Yes	No	No

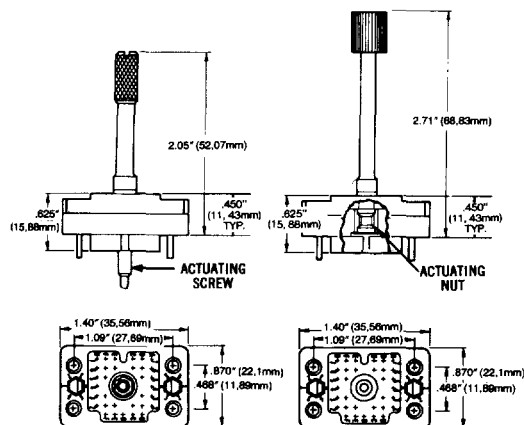
Series 8026 – 0.100" Rectangular Connector

33 CONTACTS

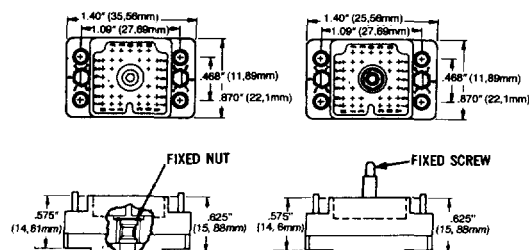
Female Plug (Recessed Contacts)
For variation code number

See Table 1
Page 25

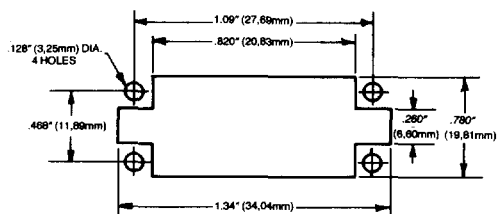
See Table 2
Page 25



MALE RECEPTACLE (Exposed Contacts)



RECOMMENDED CHASSIS LAYOUT

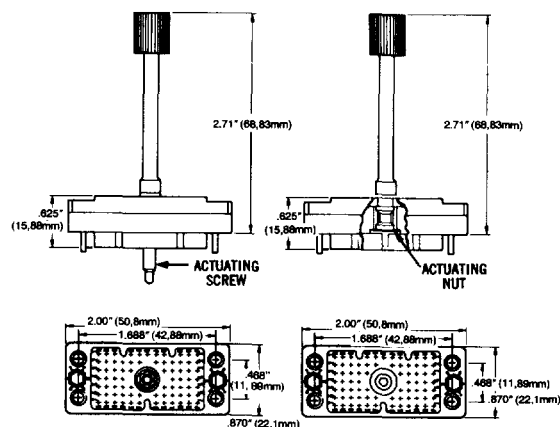


75 CONTACTS

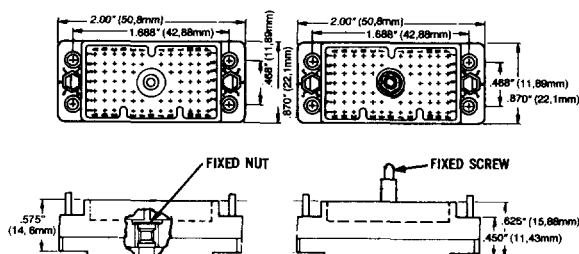
Female Plug (Recessed Contacts)
For variation code number

See Table 3
Page 25

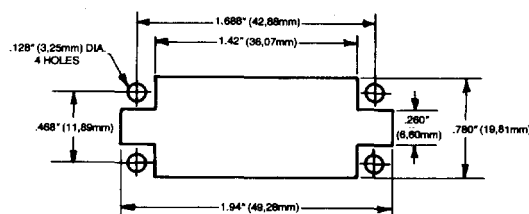
See Table 4
Page 25



MALE RECEPTACLE (Exposed Contacts)



RECOMMENDED CHASSIS LAYOUT



COVER CROSS REFERENCE, FOR DETAILS SEE 8016 CONNECTOR

Cover Number	Cable Entrance	Clamp	
		Description	8026/.100" (2.54mm) sq.
30-8016-9821	Side	Small	75 Pin
30-8016-9822	Top	Small	75 Pin
30-8016-9823	Side	Small	117 Pin
30-8016-9824	Top	Small	117 Pin
30-8016-9825	Side	Large	75 Pin
30-8016-9826	Top	Large	75 Pin
30-8016-9827	Side	Large	117 Pin
30-8016-9828	Top	Large	117 Pin
30-8016-9832	Side	Large	165 Pin

Cover Number	Cable Entrance	Clamp	
		Description	8026/.100" (2.54mm) sq.
30-8016-9833	Top	Large	165 Pin
30-8016-9838	Side	Ex-Large	75 Pin
30-8016-9839	Top	Ex-Large	75 Pin
30-8016-9840	Side	Ex-Large	117 Pin
30-8016-9842	Top	Ex-Large	117 Pin
30-8016-9843	Side	Ex-Large	165 Pin
30-8016-9844	Top	Ex-Large	165 Pin
30-8016-9845	Side	Ex-Large	—
30-8016-9846	Top	Ex-Large	—

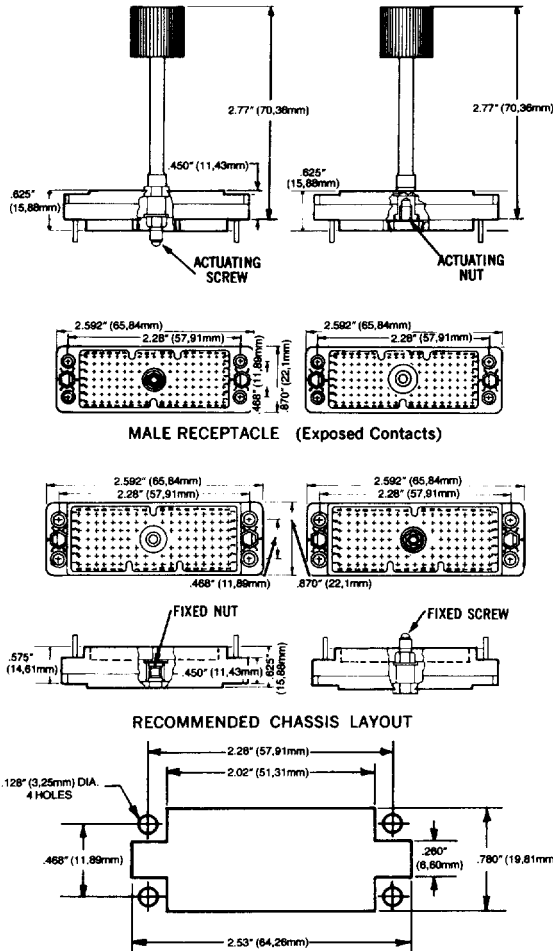
Series 8026 – 0.100" Rectangular Connector

117 CONTACTS Female Plug (Recessed Contacts)

For variation code number

See Table 3
Page 25

See Table 4
Page 25

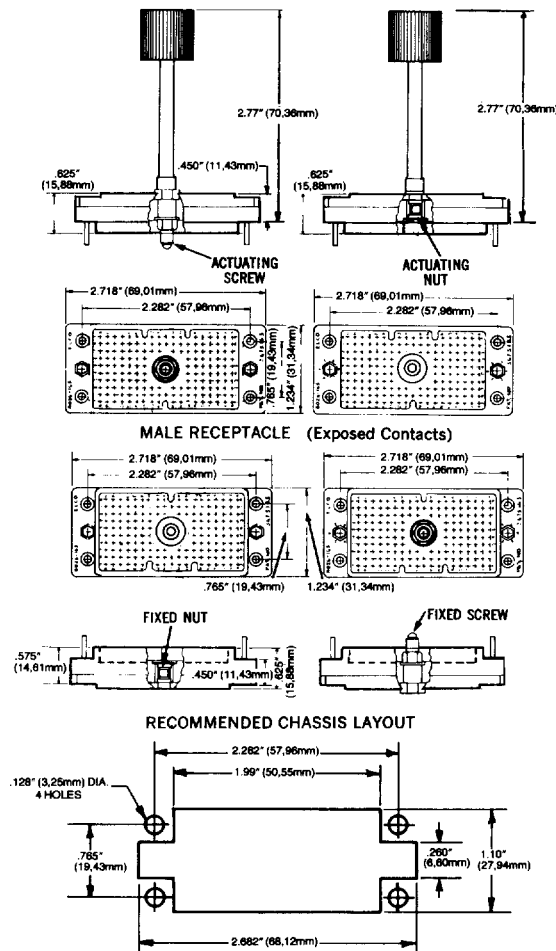


165 CONTACTS Female Plug (Recessed Contacts)

For variation code number

See Table 3
Page 25

See Table 4
Page 25



POLARIZATION CODE

Polarizing pins, when desired, are factory set in position #1. Customer can reset as shown below, use tool No. 06 1989 02. To order factory settings other than position #1, fill out

the "Polarizing Code" below and submit it along with the completed connector ordering code.

P

Insulator Body Type
P = Male, R = Female

LS

Left Side Pin

5

Left Side Pin Position
1 through 6

RS

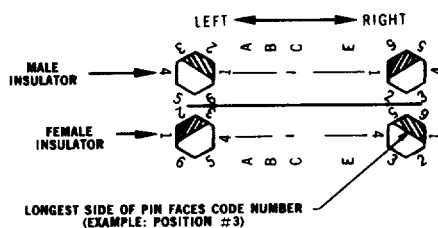
Right Side Pin

3

Right Side Pin Position
1 through 6

POLARIZATION / KEYING

EXAMPLE: P-LS-5-RS-3 Mates with R-LS-5-RS-3 as shown below

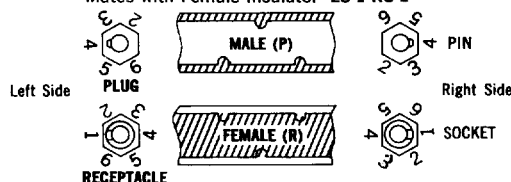


ALTERNATIVE KEYING

EXAMPLE (PIN & SOCKET)

Male Insulator LP-4-RP-4

Mates with Female Insulator LS-1-RS-1



NOTE: Same size of pin and socket keying hardware are used on all existing 8026 connectors (33, 75, 117, 165) – both sides