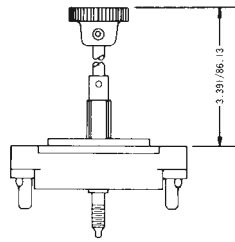
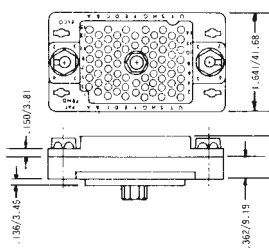


### 75/100/130 CONTACTS

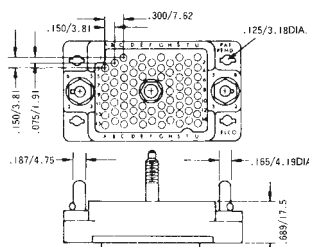
Plug with Actuating Screw 001



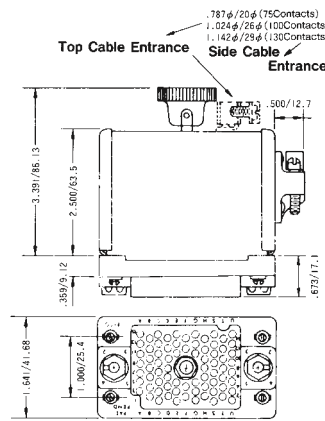
Receptacle with Fixed Nut 007



Plug with Fixed Screw 002

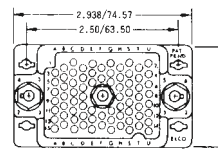


Receptacle with Actuating Nut 008

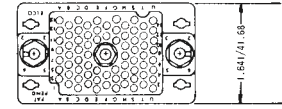


### 75 CONTACTS

Plug

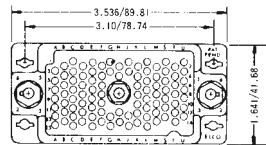


Receptacle

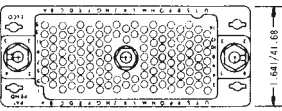


### 100 CONTACTS

Plug

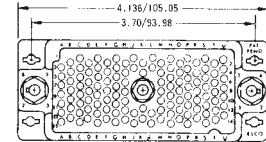


Receptacle

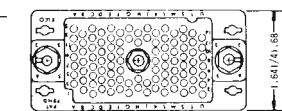


### 130 CONTACTS

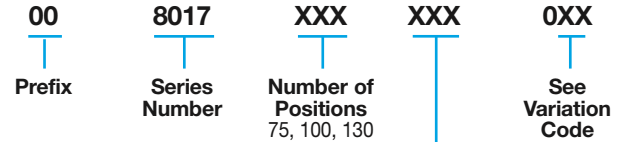
Plug



Receptacle

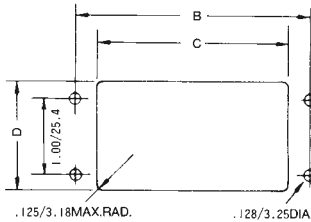


### ORDERING CODE

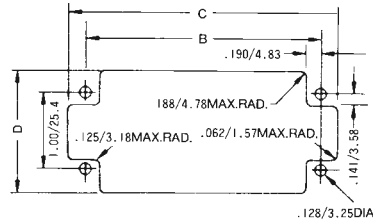


### RECOMMENDED CHASSIS LAYOUT

Layout for Front Chassis Mounting



Layout for Back Chassis Mounting



All Tolerances  $\pm .005/\pm .127$

No. of Pos.	Front Chassis Mtg.			Back Chassis Mtg.		
	B	C	D	B	C	D
75	2.500/63.50	1.953/49.61	1.437/36.50	2.500/63.50	2.953/75.00	1.656/42.06
100	3.100/78.74	2.546/64.67	1.437/36.50	3.100/78.74	3.562/90.47	1.656/42.06
130	3.700/93.98	3.156/80.16	1.437/36.50	3.700/93.98	4.156/105.56	1.656/42.06

Dimensions inches/mm

**Contact Code**

- 217 = Solder 0.098" x 2.49mm – 60 8017 0513 00 339
- 218 = Wire Wrap – 0.025 x 0.050 x 0.567" / 0.64 x 1.27 x 14.4mm 60 8017 0613 00 339
- 750 = Wire Wrap – 0.025 x 0.050 x 0.760" / 0.64 x 1.27 x 19.3mm 60 8017 0623 00 339
- 296 = Wire Wrap – 0.025 x 0.026 x 0.579" / 0.64 x 0.66 x 14.7mm 60 8017 0633 00 339
- 313 = Wire Crimp (Contacts Loose) – Must be ordered separately 60 8017 0313 00 339
- 323 = Wire Crimp (1800 Contacts on a Reel) – Must be ordered separately 60 8017 0323 99 339

### CONNECTOR PLUG AND RECEPTACLE COMBINATIONS

Plug \ Receptacle	Receptacle					
	007	008	009	010	011	012
001						
002						
003						
004						
005						
006						

### VARIATION CODE

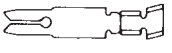
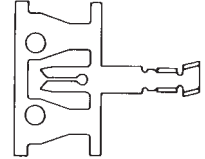


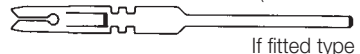


Insulator Body Type	Variation Code No.	Cover & Cable Entrance	Actuating Screw	Fixed Screw
Plug	001	No	Yes	No
	002	No	No	Yes
	003	Top	Yes	No
	004	Side	Yes	No
	005	Top	No	Yes
	006	Side	No	Yes

Insulator Body Type	Variation Code No.	Cover & Cable Entrance	Fixed Nut	Actuating Nut
Receptacle	007	No	Yes	No
	008	No	No	Yes
	009	Top	Yes	No
	010	Side	Yes	No
	011	Top	No	Yes
	012	Side	No	Yes

## Loose Contacts

Varilok® connectors can be specified as either fully loaded, to include the connector body and a variety of pre-loaded contact termination types or the empty body and a selection

of separately specified and ordered contacts. The table below details the various loose contacts available.

Contact Style	Description	Plating Specification	Order Code
 <p>* Ordered separately</p>	Crimp Contact Loose	0.25µM Gold All Over (Standard) 0.25µM Gold Nose & Tail (Optional)	60 8017 0313 00 339 60 8017 0313 00 042
 <p>Ordered separately</p>	Crimp Contact End Carrier (1800 Contacts per reel)	0.25µM Gold All Over (Standard) 0.25µM Gold Nose & Tail (Optional) 0.25µM Gold All Over (Standard) 0.25µM Gold Nose & Tail (Optional)	60 8017 0323 99 339 60 8017 0323 99 042 60 8017 0323 00 339** 60 8017 0323 00 042**
<p>Tail Section – 2.49 x 0.61 (0.098 x 0.024)</p>  <p>* If fitted type 217</p>	Solder Tag Contact	0.25µM Gold All Over (Standard)	60 8017 0513 00 339
<p>Tail Section – 1.27 x 0.63 (0.025 x 0.005)</p>  <p>If fitted type 218</p>	14.4mm Maxiwrap Contact	0.25µM Gold All Over (Standard)	60 8017 0613 00 339
<p>Tail Section – 1.27 x 0.63 (0.025 x 0.005)</p>  <p>If fitted type 750</p>	19.3mm Maxiwrap Contact	0.25µM Gold All Over (Standard)	60 8017 0623 00 339
<p>Tail Section – 0.635 x 0.63 (0.025 x 0.005)</p>  <p>If fitted type 296</p>	14.0 Miniwrap Contact	0.25µM Gold All Over (Standard)	60 8017 0633 00 339
<p>Tail Section – 0.635 x 0.63 (0.025 x 0.005)</p>  <p>* If fitted type 504</p>	4.3mm PC Solder Contact for ø 1.00 mm P.T.H.	0.25µM Gold All Over (Standard)	60 8017 0663 00 339

\* Indicates standard contact

Plating code 343 = 0.50 µm Gold all over

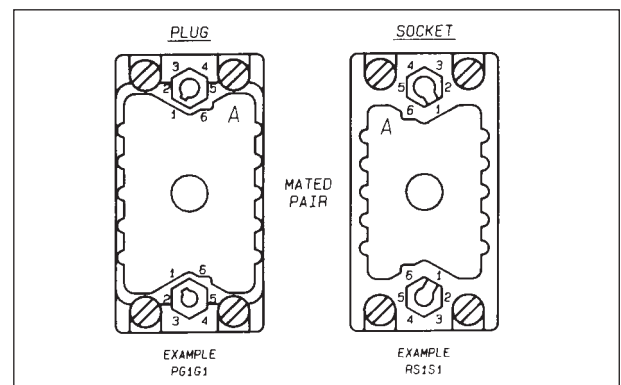
\*\* Order code to be used when purchasing through a USA source.

## CONNECTOR POLARIZATION

Varicon® 8016 Series connectors are designed with an integral polarizing system to ensure in high density environments that the correct halves are mated together.

As a factory standard, male plugs are set to the code PG1G1, with the female receptacles being set to the opposite matching code RS1S1.

Customers who need to change the standard polarization to another position can do so by using hand tool 06 1989 02 00 0000, or, by ordering the connectors with the required polarization (eg: PG1G4 or RS2S5, etc) When ordering a different polarization from normal, the polarization is called out at the end of the part number (Ex: 00 8016 056 000 601PG2G4, etc).



## ORDERING CODE

**P**  
Type of Connector Half  
Plug = P  
Socket = R

**G**  
Location Side  
(Large Dia.)  
Guide Pin = G  
Guide Socket = S

**1**  
Positions  
1 through 6

**G**  
Location Side  
(Small Dia.)  
Guide Pin = G  
Guide Socket = S

**1**  
Positions  
1 through 6