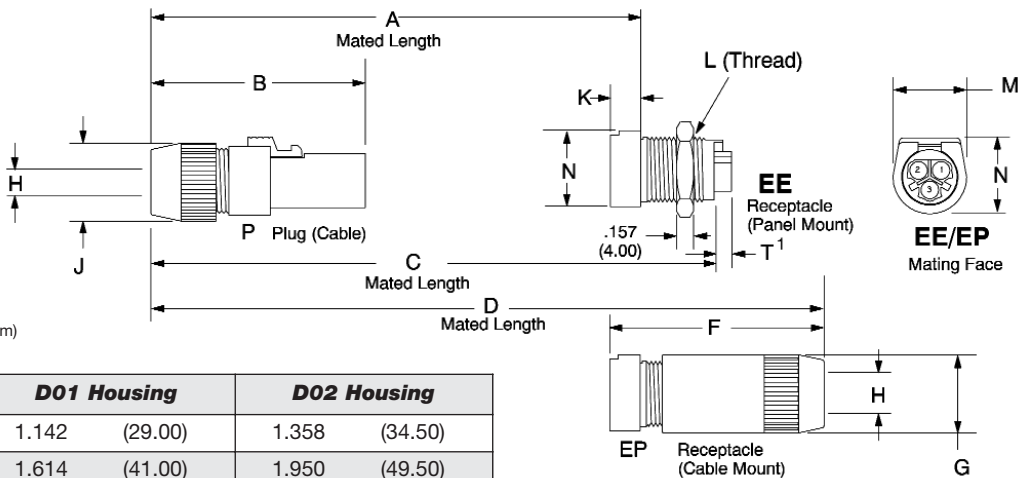




CIRCULAR PLASTIC CONNECTORS CONTACT VERSIONS

- 3, 4, 7, 9, 12 & 25 position models
- 1 to 8 amps per contact
- Mixed signal and power or coax available
- recognized components File No. 102195
- Each connector half accepts pins or sockets
- High impact plastic body
- Quick disconnect push button release
- Alignment and polarization provided by housing
- Crimp, solder cup, and pc contacts
- Color coding available

Connector Dimensions

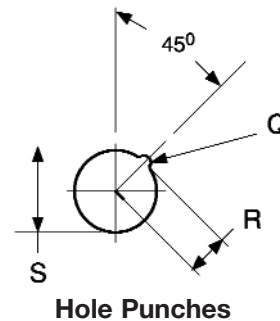


NOTE:
1) Dimensions in inches (mm)

Dimension	D01 Housing		D02 Housing	
A	1.142	(29.00)	1.358	(34.50)
B	1.614	(41.00)	1.950	(49.50)
C	1.732	(44.00)	2.087	(53.00)
D	2.4	(61.00)	2.953	(75.00)
F	1.5	(38.00)	1.772	(45.00)
G Dia.	.512	(13.00)	.709	(18.00)
H Dia.	.118 .216	(3.00) Min. (5.50) Max.	.197 .315	(5.00) Min. (8.00) Max.
J Dia.	.472	(12.00)	.709	(18.00)
K	.161	(4.10)	.278	(7.00)
L	M11 X 1.00 Thd.		M15 X 1.00 Thd.	
M	.512	(13.00)	.669	(17.00)
N	.512	(13.00)	.689	(17.50)
Q Dia.	.126	(3.20)	.100	(2.54)
R	.220	(5.60)	.295	(7.50)
S Dia.	.441	(11.20)	.598	(15.20)
T ¹	.157	(4.00)	.157	(4.00)

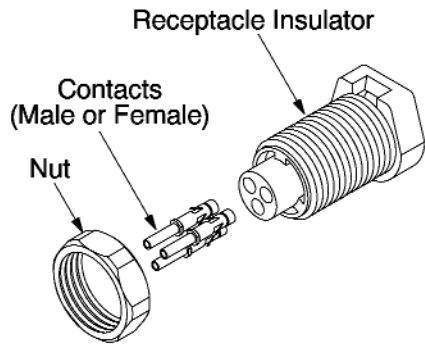
NOTES:
1) D02EE315 Dim. T is 0.256 (6.50)
D02EE125 Dim. T is 0.000 (0.00)
D02EE2504 Dim. T is 0.000 (0.00)
2) Recommended tightening torque for panel mount receptacle (.452-.678 N•M) for both D01 & D02.

Mounting Dimensions

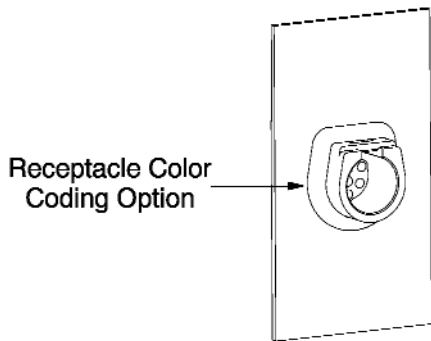
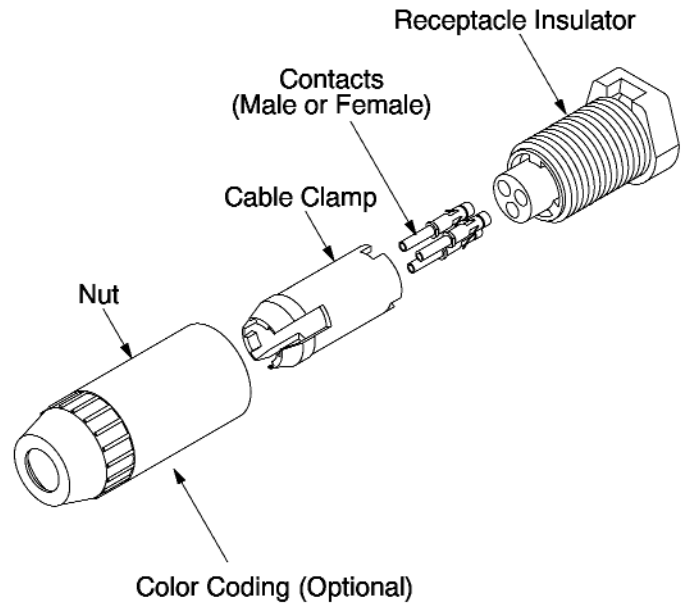


Part Number	Series	Maximum Recommended Panel in Steel	Maximum Recommended Panel in Alum.
T1903	D01	0.048 (1.25)	0.075 (1.90)
T1904	D02	0.062 (1.60)	0.094 (2.40)

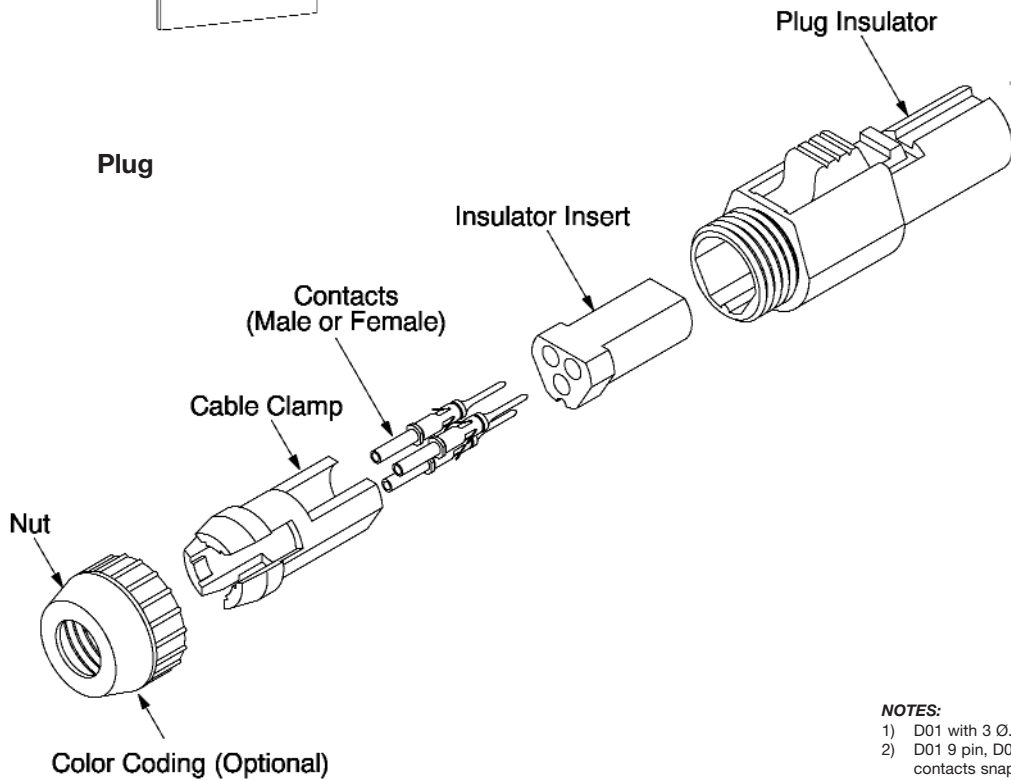
Panel Mount Receptacle



Cable Mount Receptacle



Plug



NOTES:

- 1) D01 with 3 \varnothing .024 (0.60) Contacts Shown.
- 2) D01 9 pin, D02 12 and 25 pin have no clip, contacts snap into insert


D01 GENERAL SPECIFICATIONS			
	3 Pin	4 Pin	9 Pin
Contact Diameter	.024 (0.60)	.024 (0.60)	.016 (0.40)
Current Rating (amps)	4	4	1
Contact Resistance (milliohms)	<5	<5	<8
Contact Extraction Force Each (oz.)	.5 to 2	.5 to 2	.6 to 1.6
Contact Life Cycles	100,000	100,000	100,000
Breakdown Voltage Between Contacts	>2250V	>2250V	>1000V
Dielectric Withstanding Voltage	1650V	1650V	750V
Contact Material	BeCu wires and brass body (socket)		
Plating	Brass (pin) Gold over Nickel		
Insulation Resistance	>10 ³ megohms @500 VDC		
Temperature Rating Polycarbonate	-40°C to +85°C		_____
Polysulfone	-40°C to +125°C*		_____
Polyetherimide	_____		-40°C to +125°C*


ACCESSORIES			
Crimp Tool	AFM8 or (M22520/2-01)	AFM8 or (M22520/2-01)	AFM8 or (M22520/2-01)
Positioner	K547	K547	T1914
Removal Tool	S/DEM1.0060	S/DEM1.0060	
Insertion Tool	T1866	T1866	T1916


D02 GENERAL SPECIFICATIONS					
	3 Pin	7 Pin	9 Pin	12 Pin	25 Pin
Contact Diameter	.059 (1.50)	.024 (0.60)	.024 (0.60)	.018 (0.50)	.016 (0.40)
Current Rating (amps)	8	4	4	2.5	1
Contact Resistance (milliohms)	<2	<5	<5	<8	<8
Extraction Force (oz.)	1.8 to 5.4	.5 to 2	.5 to 2	.3 to 1.6	.3 to 1.6
Contact Life Cycles	100,000	100,000	100,000	100,000	100,000
Breakdown Voltage Between Contacts	>2250	>2000	>1560	>1000	>1000
Dielectric Withstanding Voltage	1650	1500	1150	750	750
Contact Material	BeCu wires and brass body (socket)				
Plating	Brass (pin) Gold over nickel				
Insulation Resistance	>10 ³ megohms @500 VDC				
Temperature Rating Polycarbonate	-40°C to +85°C				_____
Polysulfone	-40°C to +125°C*				_____
Polyetherimide	_____				-40°C to +125°C*

ACCESSORIES				
Crimp Tool	AF8	AFM8 or M22520/2-01	AFM8 or M22520/2-01	AFM8 or M22520/2-01
Positioner	TP688	K623	T870	T1914
Removal Tool	S/DEM5.0150	S/DEM1.0060	_____	_____
Insertion Tool	T1888	T1866	T1271	T1916

*If color coding option is specified, maximum temperature rating is +85°C

<p>D01 3 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D01EEB306NT D01EPB306NT D01PB306NT</p>
	<p>Contacts</p> <p>Crimp Socket – 22-26 AWG Crimp Socket – 18-20 AWG Solder Cup Socket – up to 22 AWG Crimp Pin – 22-26 AWG Crimp Pin –18-20 AWG Solder Cup Pin – up to 22 AWG</p>	<p>Part Numbers*</p> <p>YSK006-011AH YSK006-089AH YSK006-010AH YPN006-021H or G YPN006-158H YPN006-020H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Removal Tool Insertion Tool</p>	<p>AFM8 or M22520/2-01 K547 S/DEM1.0060 T1866</p>

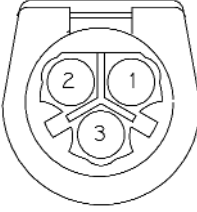
<p>D01 4 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D01EEB406NT D01EPB406NT D01PB406NT</p>
	<p>Contacts</p> <p>Crimp Socket – 22-26 AWG Crimp Socket – 18-20 AWG Solder Cup Socket – up to 22 AWG Crimp Pin – 22-26 AWG Crimp Pin –18-20 AWG Solder Cup Pin – up to 22 AWG</p>	<p>Part Numbers*</p> <p>YSK006-011AH YSK006-089AH YSK006-010AH YPN006-021H or G YPN006-158H YPN006-020H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Removal Tool Insertion Tool</p>	<p>AFM8 or M22520/2-01 K547 S/DEM1.0060 T1866</p>


<p>D01 9 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D01EEB904NUT D01EPB904NUT D01PB904NUT</p>
	<p>Contacts</p> <p>Crimp Socket – 26-28 AWG Solder Cup Socket – up to 26 AWG Crimp Pin – 26-28 AWG Solder Cup Pin – up to 26 AWG</p>	<p>Part Numbers*</p> <p>YSK004-002AH YSK004-003AH YPN004-001H or G YPN004-002H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Insertion Tool</p>	<p>AFM8 or M22520/2-01 T1914 T1916</p>


*Plating Reference:

Male Pins: G = 10 µin gold (min) over Ni
H = 50 µin gold (min) over Ni
Female Sockets: AH = 50 µin gold (min) over Ni on mating surface,
gold flash over Ni on termination

See page 2/13 for complete ordering information.

<p>D02 3 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D02EEB315NT D02EPB315NT D02PB315NT</p>
	<p>Contacts</p> <p>Crimp Socket – 18 & 20 AWG Solder Cup Socket – up to 16 AWG Crimp Pin – 18 & 20 AWG Solder Cup Pin – up to 16 AWG</p>	<p>Part Numbers*</p> <p>YSK015-011AH YSK015-012AH YPN015-005H or G YPN015-006H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Removal Tool Insertion Tool</p>	<p>AF8 TP688 S/DEM5.0150 T1888</p>

<p>D02 7 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D01EEB706NT D01EPB706NT D01PB706NT</p>
	<p>Contacts</p> <p>Crimp Socket – 22-26 AWG Solder Cup Socket – up to 22 AWG Crimp Pin – 22-26 AWG Solder Cup Pin – up to 22 AWG</p>	<p>Part Numbers*</p> <p>YSK006-015AH YSK006-016AH YPN006-025H or G YPN006-026H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Removal Tool Insertion Tool</p>	<p>AFM8 or M22520/2-01 K623 S/DEM1.0060 T1866</p>


<p>D02 9 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D02EEB906NT D02EPB906NT D02PB906NT</p>
	<p>Contacts</p> <p>Crimp Socket – 22-26 AWG Solder Cup Socket – up to 22 AWG Crimp Pin – 22-26 AWG Solder Cup Pin – up to 22 AWG</p>	<p>Part Numbers*</p> <p>YSK006-015AH YSK006-016AH YPN006-025H or G YPN006-026H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Removal Tool Insertion Tool</p>	<p>AFM8 or M22520/2-01 K623 S/DEM1.0060 T1866</p>


*Plating Reference:

Male Pins: G = 10 µin gold (min) over Ni
H = 50 µin gold (min) over Ni

Female Sockets: AH = 50 µin gold (min) over Ni on mating surface,
gold flash over Ni on termination

See page 2/13 for complete ordering information.

<p>D02 12 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers</p> <p>D02EEB125NT D02EPB125NT D02PB125NT</p>
	<p>Contacts</p> <p>Crimp Socket – 22-26 AWG Solder Cup Socket – up to 22 AWG Crimp Pin – 22-26 AWG Solder Cup Pin – up to 22 AWG</p>	<p>Part Numbers*</p> <p>YSK005-036AH YSK005-037AH YPN005-049H or G YPN005-050H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Insertion Tool</p>	<p>AFM8 or M22520/2-01* T870 T1271</p>

<p>D02 25 Pin</p>  <p>Receptacle seen from mating side</p>	<p>Housing</p> <p>Receptacle Panel Mount Receptacle Cable Plug</p>	<p>Part Numbers*</p> <p>D02EEB2504NUT D02EPB2504NUT D02PB2504NUT</p>
	<p>Contacts</p> <p>Crimp Socket – 26-28 AWG Solder Cup Socket – up to 26 AWG Crimp Pin – 26-28 AWG Solder Cup Pin – up to 26 AWG</p>	<p>Part Numbers*</p> <p>YSK004-002AH YSK004-003AH YPN004-001H or G YPN004-002H or G</p>
	<p>Tools</p> <p>Crimp Tool Positioner Insertion Tool</p>	<p>AFM8 or M22520/2-01 T1914 T1916</p>


See page 2/13 for complete ordering information.

*Plating Reference:

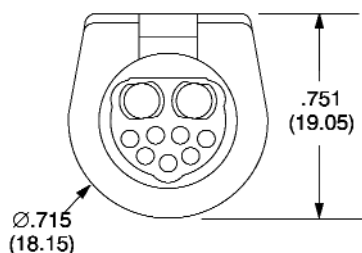
Male Pins: G = 10 µin gold (min) over Ni
H = 50 µin gold (min) over Ni
Female Sockets: AH = 50 µin gold (min) over Ni on mating surface,
gold flash over Ni on termination

COMBINATION CONNECTORS POWER & SIGNAL

- Two 8-Amp and up to seven 2.5-Amp Signal Positions • Crimp Contacts

<p>D02 Power & Signal</p>  <p>Receptacle seen from mating side</p>	Housing		Part Numbers*
	Receptacle Panel Mount Plug		D02EEB-0043 D02PB-0044
	Contacts		Part Numbers**
	Power Socket – 16-20 AWG Power Pin – 16-20 AWG Signal Socket – 22-26 AWG Signal Pin – 22-26 AWG		YSK015-053AH YPN015-038H or G YSK005-036AH YPN005-049H or G
	Tools		
		<i>Power</i>	<i>Signal</i>
	Crimp Tool	AF8	AFM8
	Positioner (Pin)	T1164	T870
	Positioner (Socket)	TP688	T870
	Removal Tool	T1124	—
	Insertion Tool	—	T1215

GENERAL SPECIFICATIONS		
Contacts	Power	Signal
Number	2	Up to 7
Diameter	.059 (1.5)	.018 (0.5)
Current Rating (amps)	8	2.5
Contact Resistance	<2.0 milliohms	<8.0 milliohms
Extraction Force	1.8 to 5.4 oz.	.0.3 to 1.6 oz.
Contact Material		
Pins	Brass	
Sockets	BeCu Wires and Brass body	
Insulator Material		
Receptacle	Polycarbonate	
Plug	Polycarbonate	
Flamability		
	UL94V0	
Temperature Rating		
	-40°C to +85°C	
Insulation Resistance		
	>10 Mohm @ 500 Vdc	



ACCESSORIES		
	Power	Signal
Crimp Tool	AF8	AFM8
Positioner (Pin)	T1165	T870
Positioner (Socket)	TP688	T870
Removal Tool	T1124	—
Insertion Tool	—	T1215

**Plating Reference:


Male Pins: G = 10 µin gold (min) over Ni
H = 50 µin gold (min) over Ni

Female Sockets: AH = 50 µin gold (min) over Ni on mating surface,
gold flash over Ni on termination

*B = Black Polycarbonate Available in Power & Signal

See page 2/13 for complete ordering information.

COMBINATION CONNECTORS COAX OR POWER & SIGNAL

<p>D02 Coax or Power & Signal</p>  <p>Receptacle seen from mating side</p>	Housing		Part Numbers*	
	Receptacle Panel Mount Receptacle Cable Plug		D02EEH905 D02EPH905 D02PH905	
	Contacts		Part Numbers**	
	Coax Crimp Socket – RRG 316, RG316DB Coax Solder Cup Socket – RG405, T-Flex 405 Coax Crimp Pin – RG316, RG316DB Coax Solder Cup Pin – RG405, T-Flex 405 Power Crimp Socket – 12 AWG Power Crimp Pin – 12 AWG Signal Crimp Socket – 22-26 AWG Signal Solder Cup Socket – 22-26 AWG Signal Crimp Pin – 22-26 AWG Signal Solder Cup Pin – 22-26 AWG		YCX0315-002AH YCX0315-001AH YCX0315-004H YCX0315-003H YCX0315-018AH YCX0315-019AH YSK025-031AH YPN025-024H YSK005-036AH YSK005-037AH YPN005-049H or G YPN005-050H or G	
Tools				
Crimp Tool	Coax HX3 (Outer) AFM8 (Inner)	Power M309	Signal AFM8	
Crimp Die Set	T1958 (Outer) or T2019 (Outer for RG316DB)	_____	_____	
Positioner	T1957 (Inner)	T1981	T870	
Removal Tool	T1982	T1982	_____	
Insertion Tool	_____	_____	T1215	

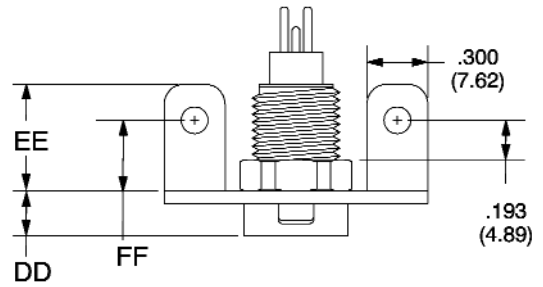
*H = Black Polyetherimide (High Temperature)
Available in Coax or Power & Signal

**Plating Reference:

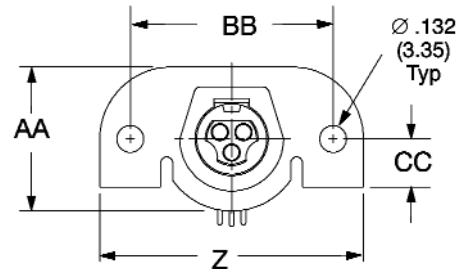
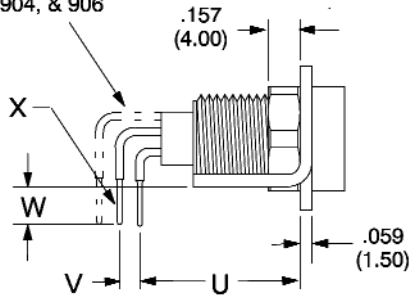
Male Pins: G = 10 µin gold (min) over Ni
H = 50 µin gold (min) over Ni
Female Sockets: AH = 50 µin gold (min) over Ni on mating surface,
gold flash over Ni on termination

See page 2/13 for complete ordering information.

PRINTED CIRCUIT BOARD RECEPTACLES (Right Angle)



2 Rows: 306, 315, & 406
3 Rows: 706, 904, & 906
4 Rows: 125
6 Rows: 2504

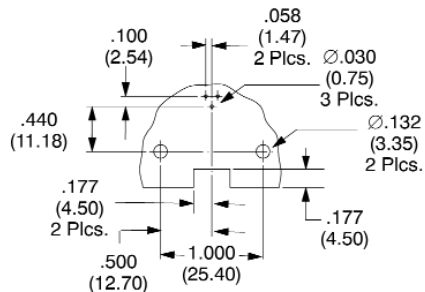


NOTE:
1) Dimensions in inches (mm)

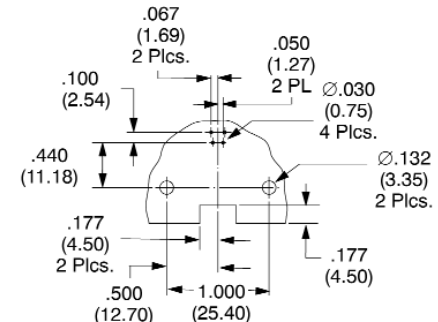
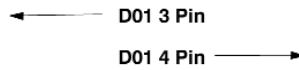
Dimension	D01 Housing 3 & 4 Position	D01 Housing 9 Position	D02 Housing 3 Position	D02 Housing 7 & 9 Position	D02 Housing 12 Position	D02 Housing 25 Position
U	.790 (20.07)	.700 (17.79)	.834 (21.19)	.742 (18.85)	.689 (17.50)	.655 (16.65)
V	.100 (2.54)	.075 (1.90)	.150 (3.81)	.100 (2.54)	.100 (2.54)	.075 (1.90)
W	.187 (4.74)	.181 (4.60)	.184 (4.68)	.177 (4.50)	.173 (4.39)	.181 (4.60)
X dia.	.024 (.60)	.015 (0.38)	.059 (1.50)	.024 (.60)	.017 (.435)	.015 (0.38)
Z	1.300 (33.02)	1.300 (33.02)	1.500 (38.10)	1.500 (38.10)	1.500 (38.10)	1.500 (38.10)
AA	.709 (18.00)	.709 (18.00)	.866 (22.00)	.866 (22.00)	.866 (22.00)	.866 (22.00)
BB	1.000 (25.40)	1.000 (25.40)	1.200 (30.48)	1.200 (30.48)	1.200 (30.48)	1.200 (30.48)
CC	.236 (6.00)	.236 (6.00)	.315 (8.00)	.315 (8.00)	.315 (8.00)	.315 (8.00)
DD	.220 (5.60)	.220 (5.60)	.335 (8.50)	.335 (8.50)	.335 (8.50)	.335 (8.50)
EE	.528 (13.40)	.528 (13.40)	.610 (15.50)	.610 (15.50)	.610 (15.50)	.610 (15.50)
FF	.350 (8.89)	.350 (8.89)	.400 (10.16)	.400 (10.16)	.400 (10.16)	.400 (10.16)

See page 2/13 for complete ordering information.

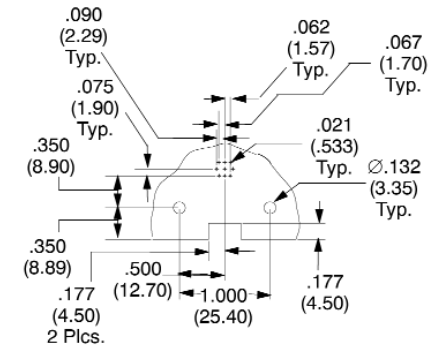
MOUNTING DIMENSIONS RIGHT ANGLE DAUGHTER BOARD APPLICATION PC Board Shown From Component Side



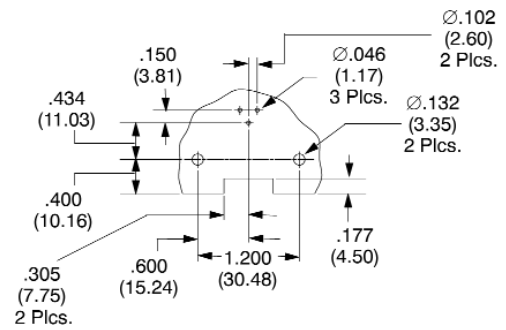
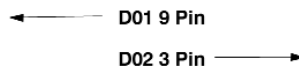
PC Board Layout for D01EEB306FB24TABH



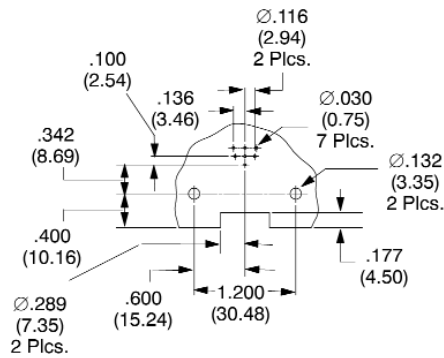
PC Board Layout for D01EEB406FB24TABH



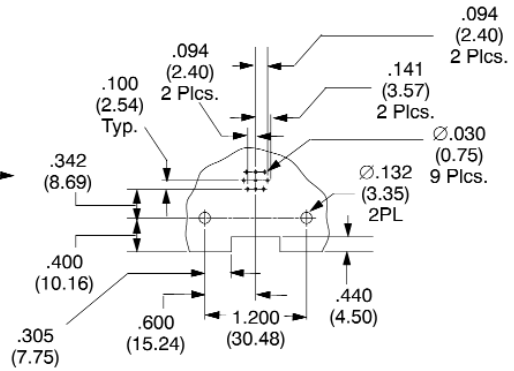
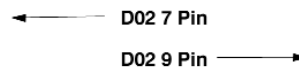
PC Board Layout for D01EEB904FB24UTABH



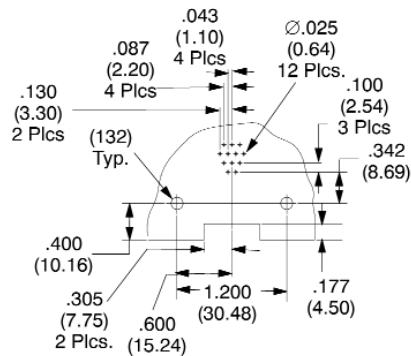
PC Board Layout for D02EEB315FB24TABH



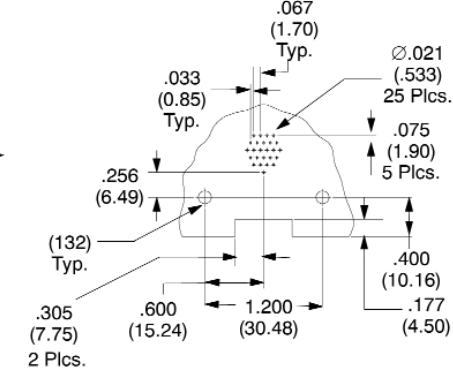
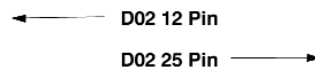
PC Board Layout for D02EEB706FB24TABH



PC Board Layout for D02EEB906FB24TABH



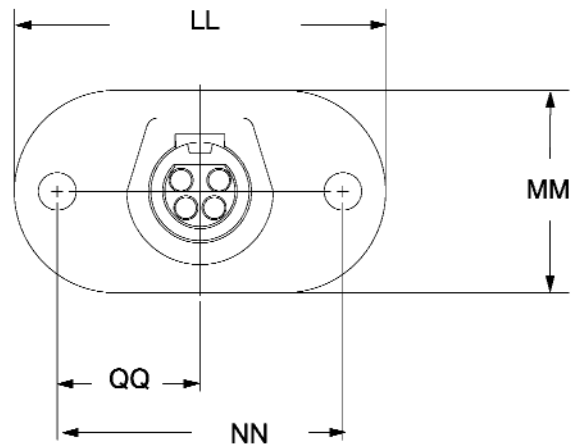
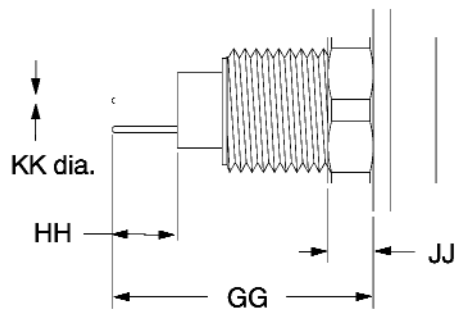
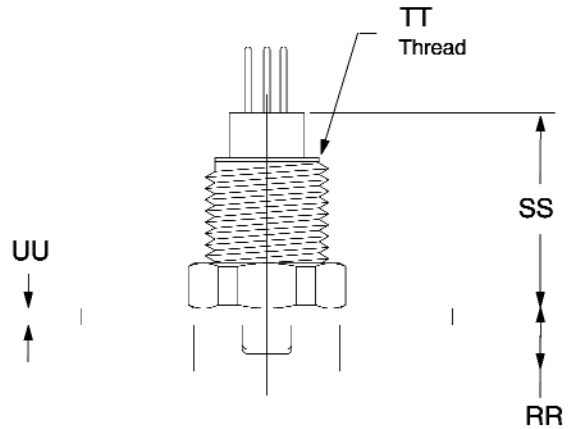
PC Board Layout for D02EEB125FB24TABH



PC Board Layout for D02EEB2504FB24UTABH

NOTE:
1) Dimensions in inches (mm)

PRINTED CIRCUIT BOARD RECEPTACLES (Straight Dip Solder)

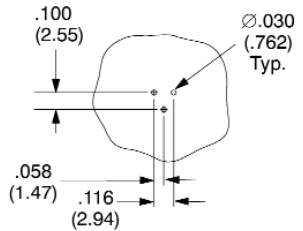


NOTE:
1) Dimensions in inches (mm)

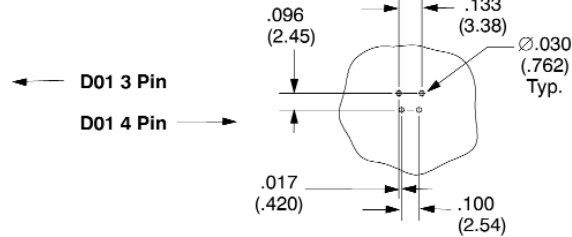
Dimension	D01 Housing 3 & 4 Position	D01 Housing 9 Position	D02 Housing 3 Position	D02 Housing 7 & 9 Position	D02 Housing 12 Position	D02 Housing 25 Position
GG	.914 (23.23)	.866 (22.00)	1.059 (26.91)	.989 (25.12)	.923 (23.45)	.870 (22.10)
HH	.229 (5.82)	.181 (4.60)	.193 (4.91)	.221 (5.61)	.233 (5.94)	.260 (4.60)
JJ	.157 (4.00)	.157 (4.00)	.157 (4.00)	.157 (4.00)	.157 (4.00)	.157 (4.00)
KK	.023 (0.58)	.015 (0.38)	.039 (1.00)	.023 (0.58)	.017 (0.43)	.015 (0.38)
LL	1.300 (33.02)	1.300 (33.02)	1.500 (38.10)	1.500 (38.10)	1.500 (38.10)	1.500 (38.10)
MM	.709 (18.00)	.709 (18.00)	.866 (22.00)	.866 (22.00)	.866 (22.00)	.866 (22.00)
NN	1.000 (25.40)	1.000 (25.40)	1.200 (30.48)	1.200 (30.48)	1.200 (30.48)	1.200 (30.48)
QQ	.500 (12.70)	.500 (12.70)	.600 (15.24)	.600 (15.24)	.600 (15.24)	.600 (15.24)
RR	.220 (5.60)	.220 (5.60)	.335 (8.50)	.335 (8.50)	.335 (8.50)	.335 (8.50)
SS	.685 (17.40)	.685 (17.40)	.866 (22.00)	.768 (19.50)	.689 (17.50)	.689 (17.50)
TT	M11 x 1.00 Thd	M11 x 1.00 Thd	M15 x 1.00 Thd	M15 x 1.00 Thd	M15 x 1.00 Thd	M15 x 1.00 Thd
UU	.059 (1.50)	.059 (1.50)	.059 (1.50)	.059 (1.50)	.059 (1.50)	.059 (1.50)

See page 33 for complete ordering information.

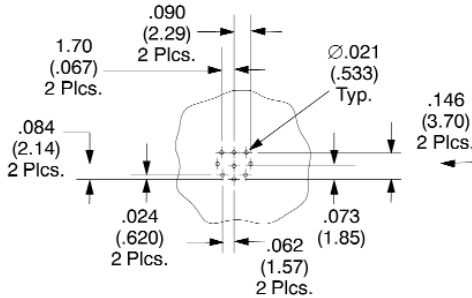
MOUNTING DIMENSIONS STRAIGHT CONTACT PC BOARD APPLICATION PC Board Shown From Component Side



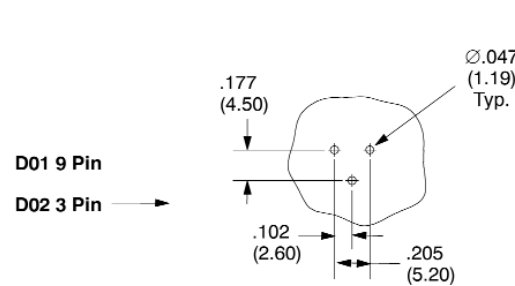
PC Board Layout for D01EEB306FD21TABH



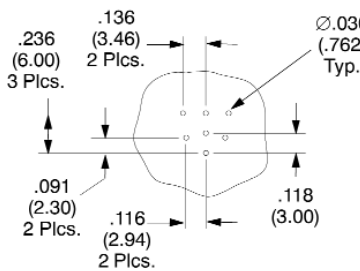
PC Board Layout for D01EEB406FD21TABH



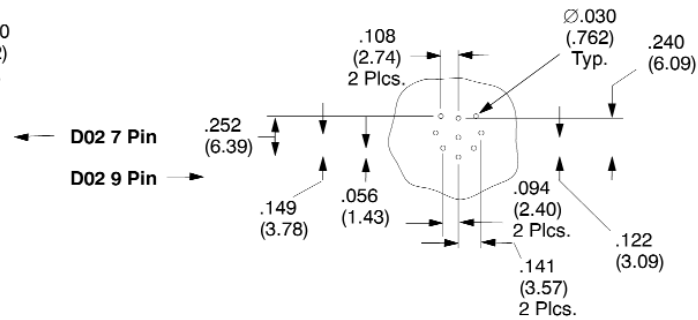
PC Board Layout for D01EEB904FD21UTABH



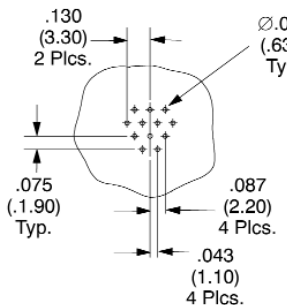
PC Board Layout for D02EEB315FD21TABH



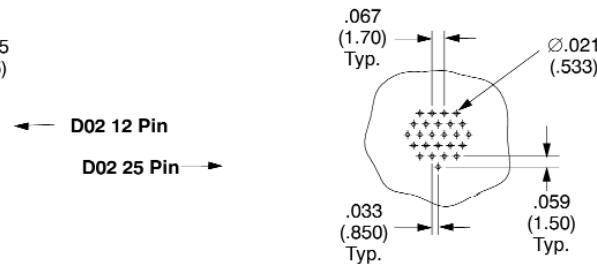
PC Board Layout for D02EEB706FD21TABH



PC Board Layout for D02EEB906FD21TABH



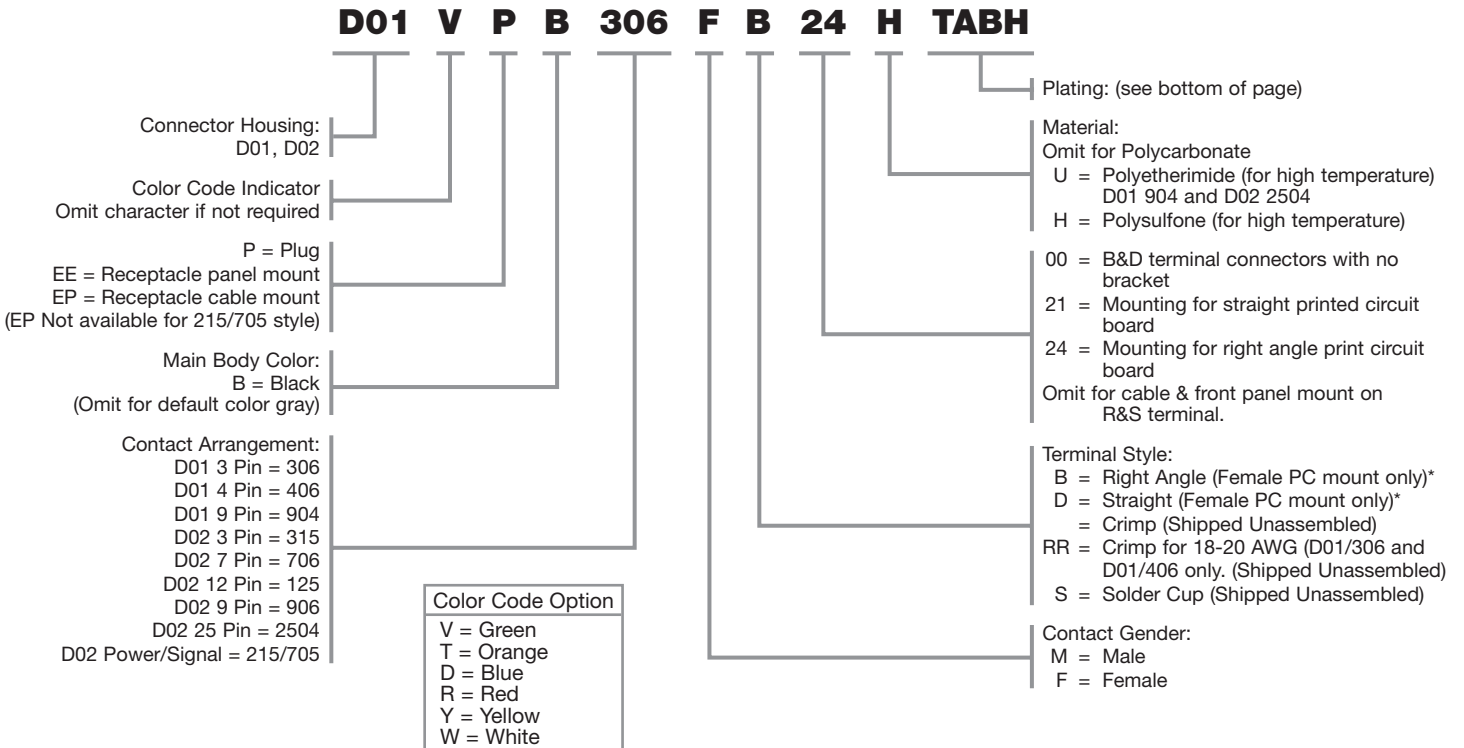
PC Board Layout for D02EEB125FD21TABH



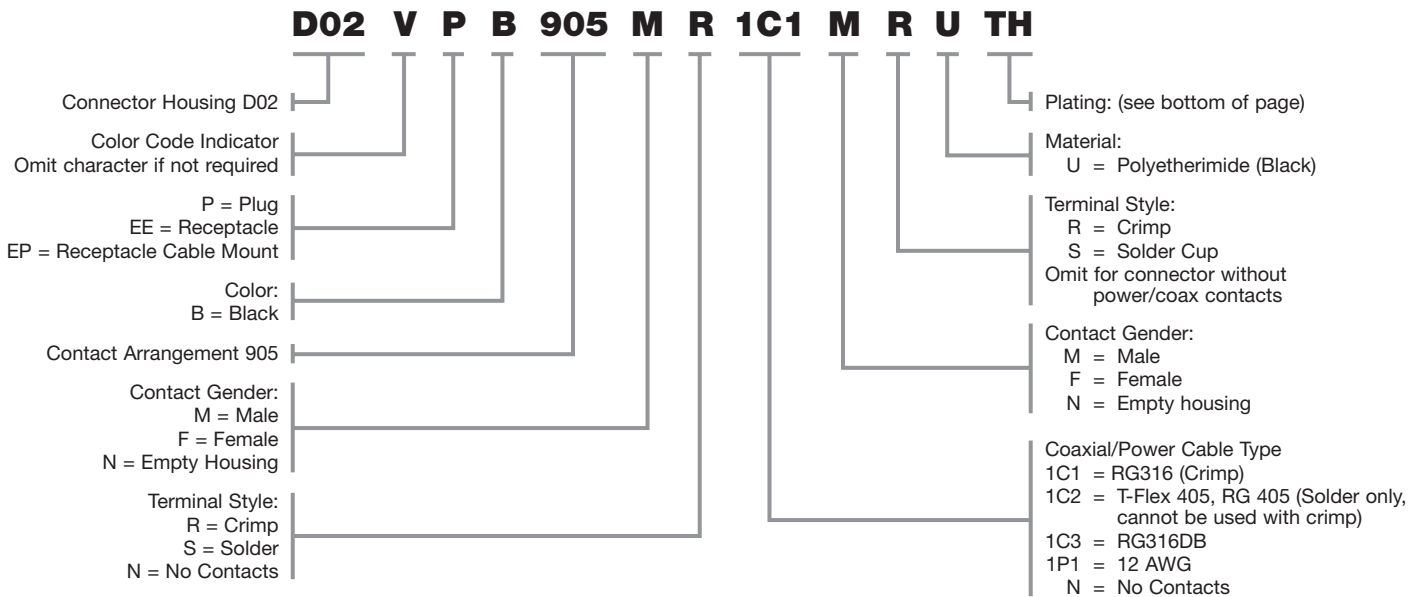
PC Board Layout for D02EEB2504FD21UTABH

NOTE:
1) Dimensions in inches (mm)

ORDERING INFORMATION



D02 COAX OR POWER & SIGNAL ORDERING INFORMATION



*Plating Reference:

Male Pins: T = 10 µin gold (min) over Ni
TH = 50 µin gold (min) over Ni
Female Sockets: TAH = 50 µin gold (min) over Ni on mating surface, gold flash over Ni on termination
TABH = 50 µin gold (min) over Ni on mating surface, tin lead over Ni on termination (D+B only)

*Check factory for availability.