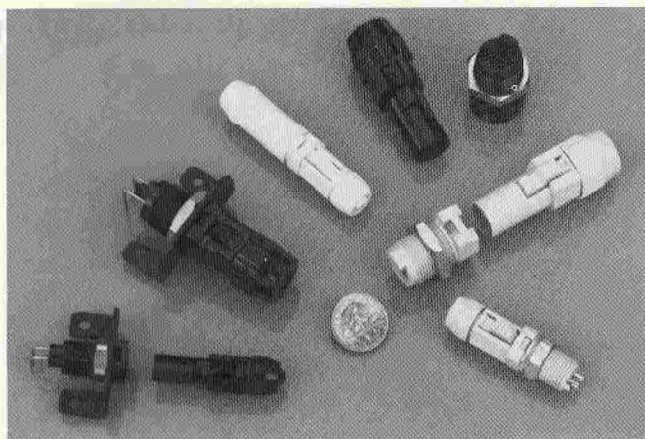
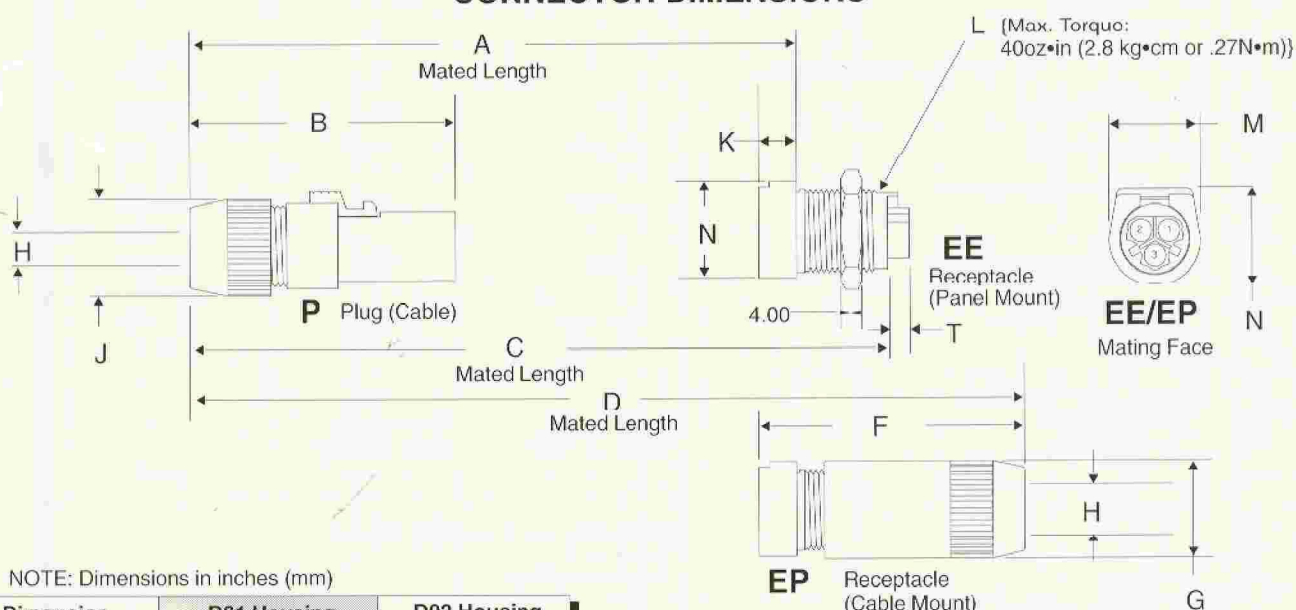


CIRCULAR PLASTIC CONNECTORS 3, 4, 7, 9, 12 & 25 CONTACT VERSIONS

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



CONNECTOR DIMENSIONS



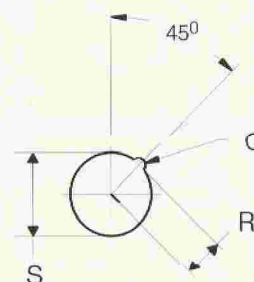
NOTE: Dimensions in inches (mm)

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 (3.00) min .216 (5.50) max	.236 (6.00) min .322 (8.20) max
J dia	.472 (12.00)	.709 (18.00)
K	.158 (4.00)	.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)

MOUNTING DIMENSIONS



HOLE PUNCHES

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

D SERIES

D01

GENERAL SPECIFICATIONS

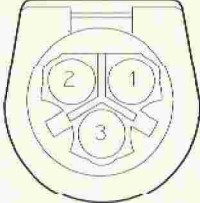
Connector Housing	D01		
Contact Arrangement Receptacles seen from mating side			
	306	406	904
Number of Contacts	3	4	9
Contact Diameter	.024 (0.60)	.024 (0.60)	.0161 (0.40)
Current Rating (amps)	3	3	1
Contact Resistance (milliohms)	<5	<5	<8
Extraction Force (oz.)	.5 to 2	.5 to 2	.6 to 1.6
Contact Life Cycles	>100,000	>100,000	>100,000
Breakdown Voltage Between Contacts	>2250	>2250	>1000V
Dielectric Withstanding Voltage	1650	1650	750
Wire Size (AWG) Solder Cup Crimp	up to 22 22 – 26	up to 22 22 – 26	up to 26 26–28
Housing Color & Material polycarbonate polysulfone Ultem	Black or grey Black or White	Black or grey Black or White	Black
Contact Material	BeCu wires and brass body (socket)		
Plating	Brass (pin) Gold over Nickel		
Insulation Resistance	> 10 ³ megohms @500 VDC		
Temperature Rating	Polycarbonate Polysulfone Ultem®		
	– 40°C to + 85°C		
	– 40°C to + 125°C		
			–40°C to +125°C
Plating Reference	T = 10µin gold on mating surfaces TH = 50µin gold (pin only) TAH = 50µin gold on mating surface & gold flash on socket bodies (socket only)		

ACCESSORIES

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

D02

GENERAL SPECIFICATIONS

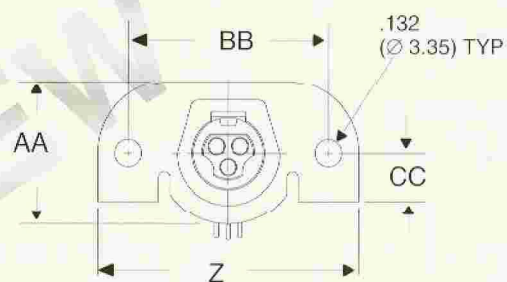
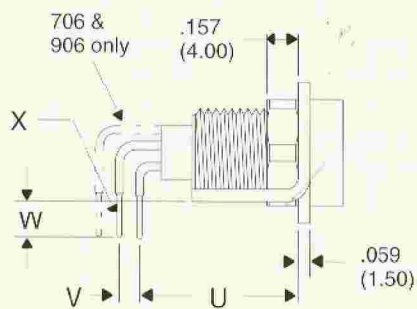
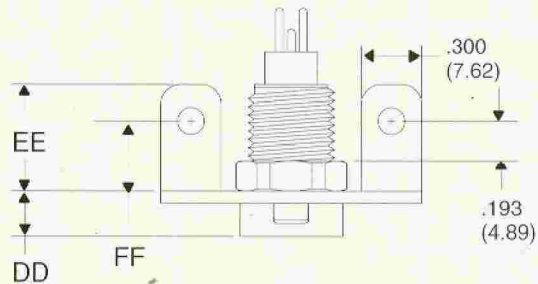
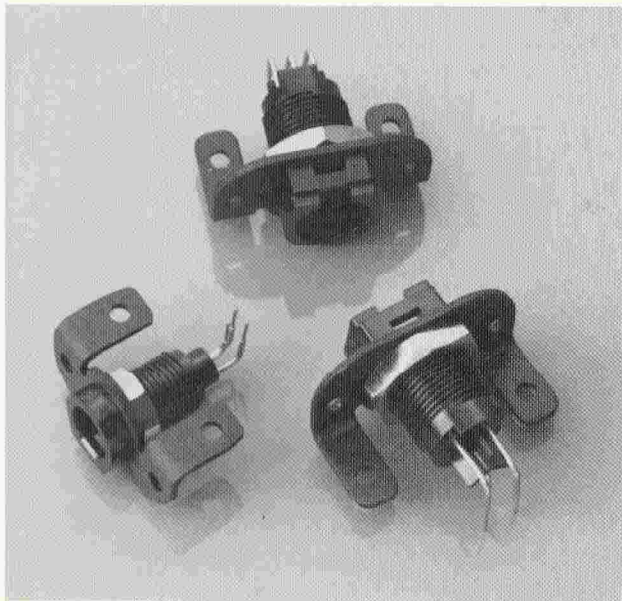
Connector Housing	D02				
Contact Arrangement Receptacles seen from mating side					
	315	706	906	125	2504
Number of Contacts	3	7	9	12	25
Contact Diameter	.059(1.50)	.024 (0.60)	.024 (0.60)	.018 (0.50)	.016 (0.40)
Current Rating (amps)	8	3	3	2	1
Contact Resistance (milliohms)	<2	<5	<5	<8	<8
Extraction 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
Wire Size (AWG) Solder Cup Crimp	up to 16 18 & 20	up to 22 22 – 26	up to 22 22 – 26	up to 22 22 – 26	up to 26 26 – 28
Housing Color & Material polycarbonate polysulfone Ultem	Black or grey Black or White	Black or grey Black or White	Black or grey Black or White	Black or grey Black	Black
Contact Material	BeCu wires and brass body (socket) brass (pin)				
Plating	gold over nickel				
Insulation Resistance	> 10 ³ Megohms @500 VDC				
Temperature Rating					
Polycarbonate	– 40°C to + 85°C				
Polysulfone	– 40°C to + 125°C				
Ultem	– 40°C to + 125°C				
Plating Reference	T = 10µin gold on mating surfaces TH = 50µin gold (pin only) TAH = 50µin gold on mating surface & gold flash on socket bodies (socket only)				

ACCESSORIES

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

D SERIES

Printed Circuit Board Models (D01 306, D01 406, D02 706, D02 315, & D02 906)



NOTE: Dimensions in inches (mm)

Dimension	D01 Housing 3&4 Position	D02 Housing 3 Position	D02 Housing 7 & 9 Position
U	.079 (20.07)	.834 (21.19)	.742 (18.85)
V	.100 (2.54)	.150 (3.81)	.100 (2.54)
W	.187 (4.74)	.184 (4.68)	.177 (4.50)
X dia.	.024 (.60)	.059 (1.50)	.024 (.60)
Z	1.300 (33.02)	1.300 (33.02)	1.500 (38.10)
AA	.709 (18.00)	.866 (22.00)	.866 (22.00)
BB	1.000 (25.40)	1.500 (38.10)	1.200 (38.40)
CC	.236 (6.00)	.315 (8.00)	.315 (8.00)
DD	.221 (5.60)	.335 (8.50)	.335 (8.50)
EE	.528 (13.40)	.610 (15.50)	.610 (15.50)
FF	.350 (8.89)	.400 (10.16)	.400 (10.16)

ORDERING INFORMATION

D01 P B 306 M R 24 H T

Connector Housing:
D01, D02

P = Plug
EE = Receptacle panel mount
EP = Receptacle cable mount

Color:
B = Black (Omit for
default color)

Contact Arrangement
306, 406, 904, 315, 706,
125, 906 & 2504

Plating:
T, TH, TAH (see pg. D2)

Material:
H = Polysulfone (Default
color white)
Omit for Polycarbonate
(Default color gray)
U = Ultem (Black) D01.904
and D02.2504 (only)

24 = Mounting for right angle
printed circuit board &
back panel mount
Omit for cable & front panel
mount

Terminal Style:
B = Right Angle²
R = Crimp³
S = Solder Cup³
Omit for connector without
contacts

Contact Gender:
M = Male
F = Female
N = Empty housing

REPLACEMENT CONTACTS¹

D01 Contact Arrangement:	306 & 406		904	
Replacement Contacts:	Pin	Socket	Pin	Socket
solder cup	YPN006-020G YPN006-020H	YSK006-010G YSK006-010AH	YPN004-002G YPN004-002H	YSK004-003AH
crimp	YPN006-021G YPN006-021H	YSK006-011G YSK006-011AH	YPN004-001G YPN004-001H	YSK004-002AH

D02 Contact Arrangement:	315		706		906	
Replacement Contacts:	Pin	Socket	Pin	Socket	Pin	Socket
solder cup	YPN015-006G YPN015-006H	YSK015-012G YSK015-012AH	YPN006-026G YPN006-026H	YSK006-016G YSK006-016AH	YPN006-026G YPN006-026H	YSK006-016G YSK006-016AH
crimp	YPN015-005G YPN015-005H	YSK015-011G YSK015-011AH	YPN006-025G YPN006-025H	YSK006-015G YSK006-015AH	YPN006-025G YPN006-025H	YSK006-015G YSK006-015AH

D02 Contact Arrangement:	125		2504	
Replacement Contacts:	Pin	Socket	Pin	Socket
solder cup	YPN005-050G YPN005-050H	YSK005-037G YSK005-037AH	YPN004-002G YPN004-002H	YSK004-003AH
crimp	YPN005-049G YPN005-049H	YSK005-036G YSK005-036AH	YPN004-001G YPN004-001H	YSK004-002AH

Plating Reference For ⁽¹⁾ Replacement Contacts:

- G = 10µin gold on mating surface & gold flash on body
- H = 50µin gold (pin only)
- AI = 50µin gold on mating surface & gold flash on socket bodies (socket only)

⁽¹⁾ The ending characters in the part number designate the plating.

⁽²⁾ Available on 306, 315, 406, 706 and 906 sizes for female contacts only.

⁽³⁾ Contact styles R and S not assembled in connector.