



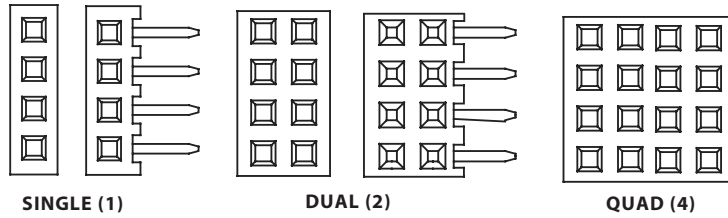
.079"[2mm] Contact Centers, Female Header
Dip Solder/Right Angle/SMT

SPECIFICATIONS

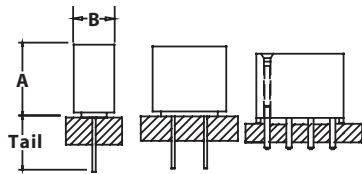
- 1 amp current rating per contact
- UL Flammability Rating: 94V-O
- Insulator: Black Thermoplastic Polyester/Nylon 6-T
- Contact Material: Phosphor Bronze



READOUT

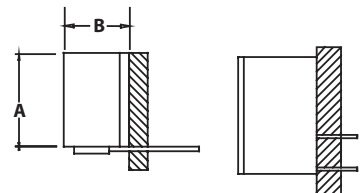


TERMINATION TYPE



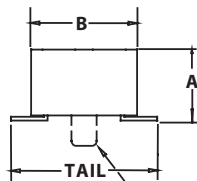
STRAIGHT

P/N CODE	ROWS	TERM	A	B	TAIL
BFC	1	STRAIGHT	.170 [4.30]	.094 [2.40]	.094 [2.40]
AFC	2	STRAIGHT	.170 [4.30]	.157 [4.00]	.094 [2.40]
AFE	2	STRAIGHT	1.70 [4.30]	.157 [4.00]	.110 [2.80]
EFC	4	STRAIGHT	.248 [6.30]	.315 [8.00]	.094 [2.40]



RIGHT ANGLE

P/N CODE	ROWS	TERM	A	B	TAIL
FGG	1	RIGHT ANGLE	.169 [4.30]	.110 [2.80]	.122 [3.10]
FJF	2	RIGHT ANGLE	.285 [7.20]	.191 [4.85]	.118 [3.00]



SMT

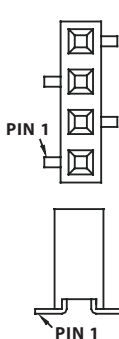
P/N CODE	ROWS	TERM	A	B	TAIL
BFL	1	SMT	.181 [4.60]	.094 [2.40]	.157 [4.00]
GFN	2	SMT	.110 [2.80]	.165 [4.20]	.228 [5.80]
GHN	Replaced by GFN				
FFK	2	SMT	.173 [4.40]	.157 [4.00]	.228 [5.80]

Refer to Mounting Style

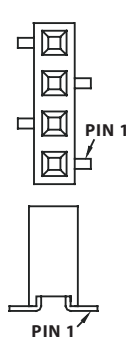
MOUNTING STYLE



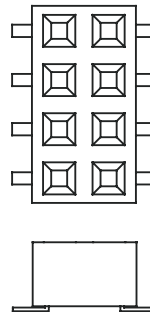
No Mounting-Standard (N)



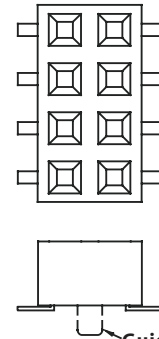
One Row SMT, Pin 1 Left (C)



One Row SMT, Pin 1 Right (D)



Two Row SMT, Without Guide Posts (S)



Two Row SMT, With Guide Post (P)

**.079"[2mm] Contact Centers, Female Header
Dip Solder/Right Angle/SMT**



PART NUMBER CODING

PP **P** **N** **40** **1** **BFC** **N** **-RC**

PLASTIC HOUSING
PP = Thermoplastic/Phosphor Bronze (Thru Hole Only)
NP = Nylon 6-T/Phosphor Bronze (SMT or Thru Hole)

CONTACT FINISH - RoHS Compliant
Contact Termination
P = Gold Flash Gold Flash (For 1 and 2 Row)
R = .000020 GOLD .00010 TIN (For 4 row)

CONTACT CENTERS
N = .079"[2.00mm]

NUMBER OF POSITIONS
01 to 40
(e.g. 40 Dual = 80 Contacts)

NUMBER OF ROWS (Opposite Page)
1 = One Row
2 = Two Row
4 = Four Row

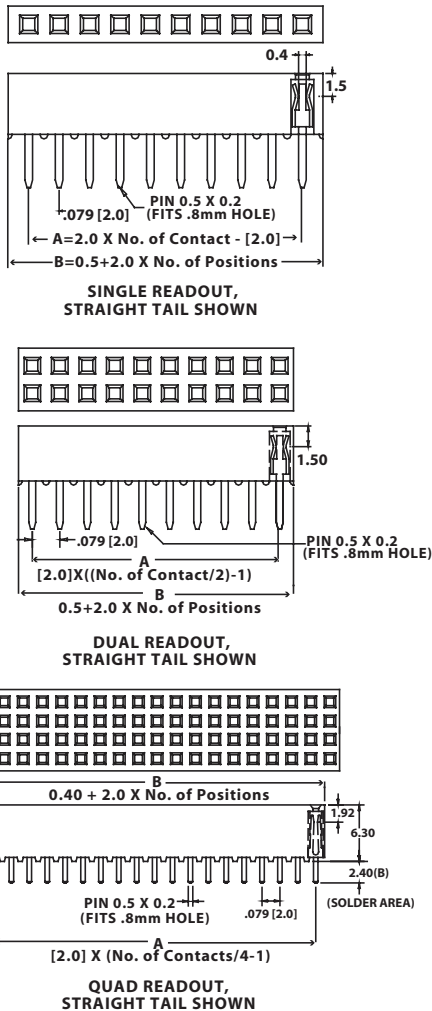
RoHS COMPLIANT
Consult Factory For Modifications

MOUNTING STYLE
N = No Mounting
C = SMT, Single row female, pin 1 Left
D = SMT, Single row female, pin 1 Right
P = Surface mount with guide pins
S = Surface mount without guide pins

TERMINATION TYPE (Opposite Page)
BFC = Thru Hole Top Entry
AFC = Thru Hole Top Entry
AFE = Thru Hole Top Entry/Closed Bottom
EFC = Thru Hole Top Entry
FGG = R/A Top Entry
FJF = R/A Top Entry
BFL = SMT Bottom Entry (Nylon 6-T only)
FFK = SMT Bottom Entry (Nylon 6-T only)
GFN = SMT Top/Bottom Entry (Nylon 6-T only)
GHN = SMT Replaced by GFN

DIMENSIONS

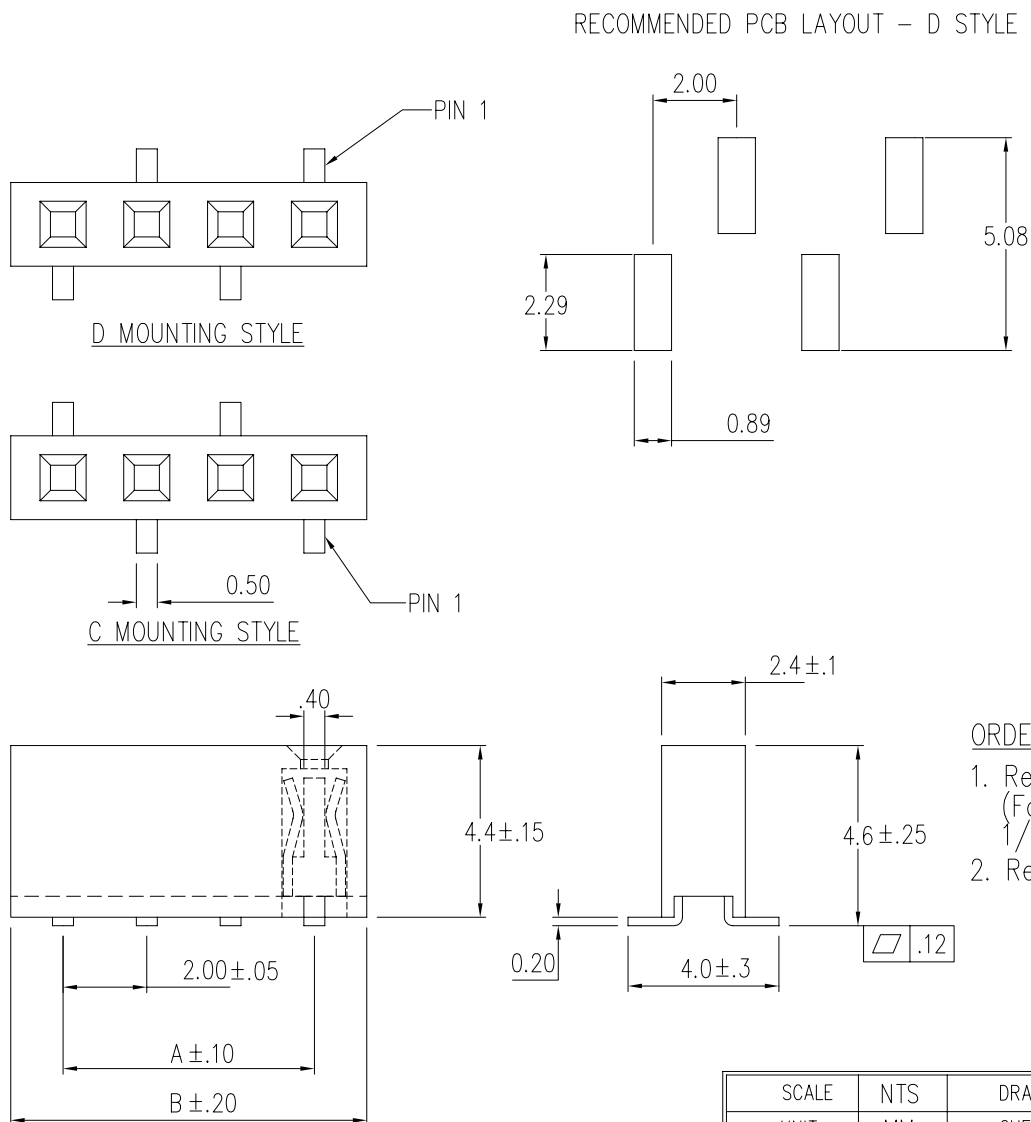
Dimensions in [] are in millimeters, all others are in inches.



PART NUMBER	NUMBER OF CONTACTS SINGLE/DUAL/ QUAD	CENTER TO CENTER LENGTH [A]		OVERALL LENGTH [B]	
		INCHES	[MM]	INCHES	[MM]
PPN01 N-RC	01/02			0.079	2.00
PPN02 N-RC	02/04	0.079	2.00	0.157	4.00
PPN03 N-RC	03/06	0.157	4.00	0.236	6.00
PPN04 N-RC	04/08	0.236	6.00	0.315	8.00
PPN05 N-RC	05/10	0.315	8.00	0.394	10.00
PPN06 N-RC	06/12/24	0.394	10.00	0.472	12.00
PPN07 N-RC	07/14	0.472	12.00	0.551	14.00
PPN08 N-RC	08/16	0.551	14.00	0.630	16.00
PPN09 N-RC	09/18	0.630	16.00	0.709	18.00
PPN10 N-RC	10/20/40	0.709	18.00	0.787	20.00
PPN11 N-RC	11/22	0.787	20.00	0.866	22.00
PPN12 N-RC	12/24/44	0.866	22.00	0.945	24.00
PPN13 N-RC	13/26	0.945	24.00	1.024	26.00
PPN14 N-RC	14/28	1.024	26.00	1.102	28.00
PPN15 N-RC	15/30/60	1.102	28.00	1.181	30.00
PPN16 N-RC	16/32	1.181	30.00	1.260	32.00
PPN17 N-RC	17/34	1.260	32.00	1.339	34.00
PPN18 N-RC	18/36	1.339	34.00	1.417	36.00
PPN19 N-RC	19/38	1.417	36.00	1.496	38.00
PPN20 N-RC	20/40	1.496	38.00	1.575	40.00
PPN21 N-RC	21/42/84	1.575	40.00	1.654	42.00
PPN22 N-RC	22/44	1.654	42.00	1.732	44.00
PPN23 N-RC	23/46	1.732	44.00	1.811	46.00
PPN24 N-RC	24/48/96	1.811	46.00	1.890	48.00
PPN25 N-RC	25/50	1.890	48.00	1.969	50.00
PPN26 N-RC	26/52	1.969	50.00	2.047	52.00
PPN27 N-RC	27/54	2.047	52.00	2.126	54.00
PPN28 N-RC	28/56	2.126	54.00	2.205	56.00
PPN29 N-RC	29/58	2.205	56.00	2.283	58.00
PPN30 N-RC	30/60/120	2.283	58.00	2.362	60.00
PPN31 N-RC	31/62	2.362	60.00	2.441	62.00
PPN32 N-RC	32/64	2.441	62.00	2.520	64.00
PPN33 N-RC	33/66	2.520	64.00	2.598	66.00
PPN34 N-RC	34/68	2.598	66.00	2.677	68.00
PPN35 N-RC	35/70	2.677	68.00	2.756	70.00
PPN36 N-RC	36/72	2.756	70.00	2.835	72.00
PPN37 N-RC	37/74	2.835	72.00	2.913	74.00
PPN38 N-RC	38/76	2.913	74.00	2.992	76.00
PPN39 N-RC	39/78	2.992	76.00	3.071	78.00
PPN40 N-RC	40/80	3.071	78.00	3.150	80.00

NO. OF CONTACTS/ POSITIONS	DIMENSIONS	
	A	B
2	2.00	4.50
3	4.00	6.50
4	6.00	8.50
5	8.00	10.50
6	10.00	12.50
7	12.00	14.50
8	14.00	16.50
9	16.00	18.50
10	18.00	20.50
11	20.00	22.50
12	22.00	24.50
13	24.00	26.50
14	26.00	28.50
15	28.00	30.50
16	30.00	32.50
17	32.00	34.50
18	34.00	36.50
19	36.00	38.50
20	38.00	40.50
21	40.00	42.50
22	42.00	44.50
23	44.00	46.50
24	46.00	48.50
25	48.00	50.50
26	50.00	52.50
27	52.00	54.50
28	54.00	56.50
29	56.00	58.50
30	58.00	60.50
31	60.00	62.50
32	62.00	64.50
33	64.00	66.50
34	66.00	68.50
35	68.00	70.50
36	70.00	72.50
37	72.00	74.50
38	74.00	76.50
39	76.00	78.50
40	78.00	80.50

NOTE: ODD NUMBER POSITIONS, MOUNTING STYLES CAN BE EITHER 'C' OR 'D'



REV.	ECO	DESCRIPTION	DATE	BY
A	642	INITIAL RELEASE	6/14/2005	TT
B	677	UPDATED DIMS	7/12/2005	TT
C	843	ADDED NOTE	11/29/2005	TT

PART NUMBER CODING
NPPNxx1BFLx-RC

MOUNTING STYLES (EVEN NO. OF POS.)
C – SMT, SINGLE ROW MALE PIN 1 LEFT
D – SMT, SINGLE ROW MALE, PIN 1 RIGHT

NUMBER OF POSITIONS
(2 – 40)

SPECIFICATIONS

CURRENT RATING : 1 AMPS
INSULATOR RESISTANCE : 5000 MEGOHMS MIN.
CONTACT RESISTANCE : 20 MILLIOHMS MAX.
DIELECTRIC WITHSTANDING : AC 500V
MAX PROCESSING TEMP : 230°C FOR 30 – 60 SECONDS
(260°C FOR 10 SECONDS)
OPERATING TEMPERATURE : -40°C TO +105°C
CONTACT MATERIAL : PHOSPHOR BRONZE.
INSULATOR MATERIAL: NYLON 6T, UL 94V-0
CONTACT PLATING: GOLD FLASH OVERALL

ORDERING INFORMATION:

1. Replace "xx" with number of positions (Pins)
(For dual rows connector, the number of positions is 1/2 the number of total contacts)
2. Replace "x" with mounting styles



ROHS COMPLIANT

SCALE	NTS	DRAW	TT	Sullins Electronics San Marcos, CA Tel: 760 744-0125 www.SullinsElectronics.com	
UNIT	MM	CHECK	MNH		
TOLERANCE		DATE	6/14/2005	NAME: 2mm HEADER, SURFACE MOUNT FEMALE, 4.10mm INSULATOR	
.0=±0.35 .00=±0.2 ANG=±5°		PROJECTION		PART NO	NPPNxx1BFLx-RC
				DRAW NO	10489