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**.100" [2.54 mm] Contact Centers, Male Breakaway Header
Dip Solder/Right Angle/SMT**

SPECIFICATIONS

- 3 amp current rating per contact
- UL Flammability Rating: 94V-O
- Insulator: Polyester, PA9T
- Contact Material: Phosphor Bronze



JUMPERS (see jumper pages for additional options)



PART NUMBER:
STC02SYAN (TIN PLATE)
SPC02SYAN (GOLD FLASH)
SSC02SYAN (0.00010" GOLD PLATE)

**TERMINATION TYPES
STRAIGHT TERMINATIONS**



| P/N CODE | HEAD DIMENSION | TAIL DIMENSION |
|----------|----------------|----------------|
| AA | .230[5.84] | .120[3.05] |
| AB | .230[5.84] | .230[5.84] |
| AC | .230[5.84] | .320[8.13] |
| AD | .230[5.84] | .420[10.67] |
| AE | .230[5.84] | .520[13.21] |
| AF | .230[5.84] | .620[15.75] |
| AG | .230[5.84] | .720[18.29] |
| AH | .230[5.84] | .820[20.83] |
| AI* | .230[5.84] | .900[22.86] |
| AJ* | .230[5.84] | 1.000[25.40] |
| AK* | .230[5.84] | .035[0.89] |
| FA | .318[8.08] | .120[3.05] |
| FB | .318[8.08] | .220[5.59] |
| FC | .318[8.08] | .320[8.13] |
| FD | .318[8.08] | .420[10.67] |
| FE | .318[8.08] | .520[13.21] |
| FF* | .318[8.08] | .620[15.75] |
| FG* | .318[8.08] | .710[18.29] |
| FH* | .318[8.08] | .810[20.83] |
| FI* | .318[8.08] | .910[23.37] |
| FJ* | .318[8.08] | .050[1.27] |
| ZA | .120[3.05] | .120[3.05] |
| ZB* | .120[3.05] | .095[2.41] |
| ZC | .120[3.05] | .260[6.60] |
| ZD | .120[3.05] | .610[15.49] |
| ZI* | .520[13.21] | .110[2.79] |
| ZJ* | .720[18.29] | .110[2.79] |
| ZO* | .820[20.83] | .110[2.79] |
| ZQ* | 1.020[25.91] | .110[2.79] |
| ZR* | 1.220[30.99] | .110[2.79] |

*Consult Factory for availability

SMT TERMINATIONS

Single Row with -M89 Modification Code



| P/N CODE | HEAD DIMENSION | TAIL DIMENSION |
|----------|----------------|----------------|
| BS | .230[5.84] | .180[4.57] |
| GS | .318[8.08] | .180[4.57] |
| ZC* | .120[3.05] | .180[4.57] |
| ZU* | .420[10.67] | .180[4.57] |

*Consult Factory for availability.

SMT TERMINATIONS

Single or Dual Row with -M30 Modification Code



| P/N CODE | HEAD DIMENSION | SINGLE ROW TAIL DIMENSION | DUAL ROW TAIL DIMENSION |
|----------|----------------|---------------------------|-------------------------|
| AB | .230[5.84] | .320[8.13] | .420[10.67] |
| FB | .318[8.08] | .300[7.62] | .400[10.16] |
| ZS* | .120[3.05] | .200[5.08] | .300[7.62] |
| ZT* | .420[10.67] | .200[5.08] | .300[7.62] |

*Consult Factory for availability

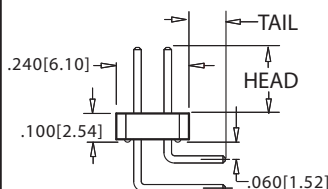
RIGHT ANGLE BEND TERMINATIONS



RIGHT ANGLE (Standard)



**RIGHT ANGLE SINGLE (Narrow)
-M71 Modification Code**



RIGHT ANGLE (Standard)



**RIGHT ANGLE DUAL (Narrow)
-M71 Modification Code**

| P/N CODE | HEAD DIMENSION | TAIL DIMENSION | -M71 TAIL DIMENSION |
|----------|----------------|----------------|---------------------|
| BA | .230[5.84] | .100[2.54] | .120[3.05] |
| BB | .230[5.84] | .200[5.08] | .220[5.59] |
| BC | .230[5.84] | .300[7.62] | .320[8.13] |
| BD | .230[5.84] | .400[10.16] | .420[10.67] |
| BE | .230[5.84] | .500[12.17] | .520[13.21] |
| BF** | .230[5.84] | .600[15.24] | .620[15.75] |
| BG** | .230[5.84] | .700[17.78] | .720[18.29] |
| BH* | .230[5.84] | .800[20.32] | .820[20.83] |
| BI* | .230[5.84] | .900[22.86] | .920[23.37] |
| BJ* | .230[5.84] | 1.000[25.40] | 1.020[25.91] |
| GA | .318[8.08] | .100[2.54] | .120[3.05] |
| GB | .318[8.08] | .200[5.08] | .220[5.59] |
| GC** | .318[8.08] | .300[7.62] | .320[8.13] |
| GD** | .318[8.08] | .400[10.16] | .420[10.67] |
| GE* | .318[8.08] | .600[15.24] | .620[15.75] |
| GF* | .318[8.08] | .800[20.32] | .820[20.83] |
| DA** | .120[3.05] | .120[3.05] | .140[3.56] |

*Consult Factory for availability.

**Consult factory for availability in Dual Readout



**.100" [2.54 mm] Contact Centers, Male Breakaway Header
Dip Solder/Right Angle/SMT**

PART NUMBER OPTIONS

SERIES _____ **P B C 36 D AA N - Mxxx**

P = PBT/Phosphor Bronze
Operating Temperature: -65°C to + 125°C
Processing Temperature: 260° for 10 sec. Max.

G = PA9T/Phosphor Bronze (Required on SMT)
Operating Temperature: -65°C to + 150°C
Processing Temperature: 260° for 120 sec. Max.

CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

| | |
|-------------------------------------|--------------------------|
| Contact Surface | Termination |
| B = .000010" Gold | .000100" Pure Tin, Matte |
| C = .000030" Gold | .000100" Pure Tin, Matte |
| Contact Surface | Overall Plating |
| E = .000010" Pure Tin, Matte | .000100" Pure Tin, Matte |

CONTACT CENTERS _____
C = .100" [2.54mm]

NUMBER OF POSITIONS _____
01 Thru 36 (eg. 36 Dual = 72 Contacts)

MODIFICATION CODE (Consult Factory)
OMIT FOR STANDARD
-M30 = SMT ('G' Material Only), Vertical
-M89 = SMT ('G' Material Only), Horizontal
-M71 = Narrow Body (Right Angle Only)

MOUNTING STYLE
N = No Mounting
R = Retent Lead (Single Row Only)

TERMINATION TYPE (Opposite Page)

Straight = AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, ZA, ZB, ZC, ZD, ZI, ZJ, ZO, ZQ, ZR

Right Angle = BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, GA, GB, GC, GD, GE, GF, DA

Right Angle with -M71 Modification Code
= BA, BB, BC, BD, BE, BH, BI, BJ, GA, GB, GE, GF

SMT with -M89 Modification Code
= BS, GS, ZC, ZU (*Single Row & 'G' Material Only*)

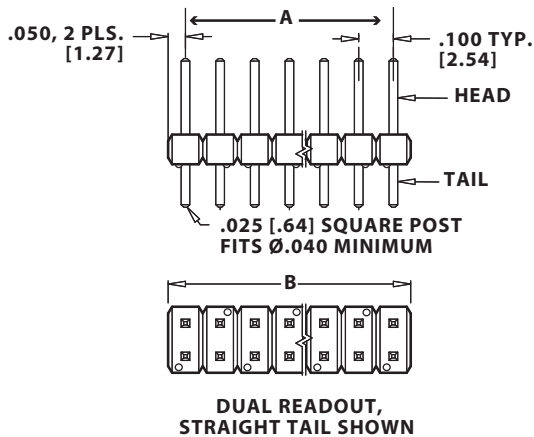
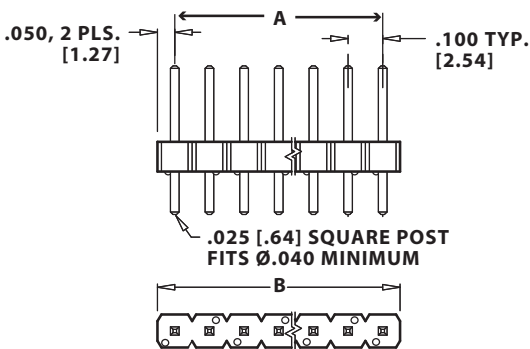
SMT with -M30 Modification Code
= AB, FB, ZS, ZT (*'G' Material Only*)

READOUT (Opposite Page)
S = Single
D = Dual

Sullins Headers

DIMENSIONS

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



| PART NUMBER | NUMBER OF CONTACTS SINGLE/DUAL | A | | B | |
|-------------|-----------------------------------|--------|-------|--------|-------|
| | | Inches | [MM] | Inches | [MM] |
| P_C01__N | 01/02 | 0.000 | 0.00 | 0.100 | 2.54 |
| P_C02__N | 02/04 | 0.100 | 2.54 | 0.200 | 5.08 |
| P_C03__N | 03/06 | 0.200 | 5.08 | 0.300 | 7.62 |
| P_C04__N | 04/08 | 0.300 | 7.62 | 0.400 | 10.16 |
| P_C05__N | 05/10 | 0.400 | 10.16 | 0.500 | 12.70 |
| P_C06__N | 06/12 | 0.500 | 12.70 | 0.600 | 15.24 |
| P_C07__N | 07/14 | 0.600 | 15.24 | 0.700 | 17.78 |
| P_C08__N | 08/16 | 0.700 | 17.78 | 0.800 | 20.32 |
| P_C09__N | 09/18 | 0.800 | 20.32 | 0.900 | 22.86 |
| P_C10__N | 10/20 | 0.900 | 22.86 | 1.000 | 25.40 |
| P_C11__N | 11/22 | 1.000 | 25.40 | 1.100 | 27.94 |
| P_C12__N | 12/24 | 1.100 | 27.94 | 1.200 | 30.48 |
| P_C13__N | 13/26 | 1.200 | 30.48 | 1.300 | 33.02 |
| P_C14__N | 14/28 | 1.300 | 33.02 | 1.400 | 35.56 |
| P_C15__N | 15/30 | 1.400 | 35.56 | 1.500 | 38.10 |
| P_C16__N | 16/32 | 1.500 | 38.10 | 1.600 | 40.64 |
| P_C17__N | 17/34 | 1.600 | 40.64 | 1.700 | 43.18 |
| P_C18__N | 18/36 | 1.700 | 43.18 | 1.800 | 45.72 |
| P_C19__N | 19/38 | 1.800 | 45.72 | 1.900 | 48.26 |
| P_C20__N | 20/40 | 1.900 | 48.26 | 2.000 | 50.80 |
| P_C21__N | 21/42 | 2.000 | 50.80 | 2.100 | 53.34 |
| P_C22__N | 22/44 | 2.100 | 53.34 | 2.200 | 55.88 |
| P_C23__N | 23/46 | 2.200 | 55.88 | 2.300 | 58.42 |
| P_C24__N | 24/48 | 2.300 | 58.42 | 2.400 | 60.96 |
| P_C25__N | 25/50 | 2.400 | 60.96 | 2.500 | 63.50 |
| P_C26__N | 26/52 | 2.500 | 63.50 | 2.600 | 66.04 |
| P_C27__N | 27/54 | 2.600 | 66.04 | 2.700 | 68.58 |
| P_C28__N | 28/56 | 2.700 | 68.58 | 2.800 | 71.12 |
| P_C29__N | 29/58 | 2.800 | 71.12 | 2.900 | 73.66 |
| P_C30__N | 30/60 | 2.900 | 73.66 | 3.000 | 76.20 |
| P_C31__N | 31/62 | 3.000 | 76.20 | 3.100 | 78.74 |
| P_C32__N | 32/64 | 3.100 | 78.74 | 3.200 | 81.28 |
| P_C33__N | 33/66 | 3.200 | 81.28 | 3.300 | 83.82 |
| P_C34__N | 34/68 | 3.300 | 83.82 | 3.400 | 86.36 |
| P_C35__N | 35/70 | 3.400 | 86.36 | 3.500 | 88.90 |
| P_C36__N | 36/72 | 3.500 | 88.90 | 3.600 | 91.44 |