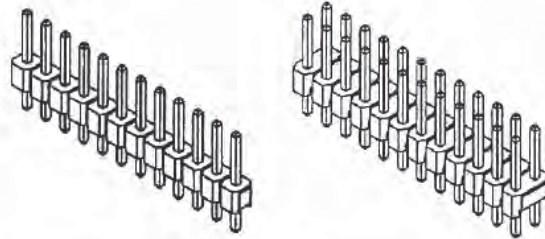




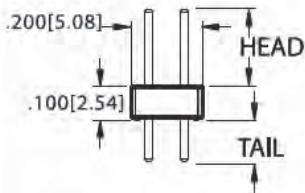
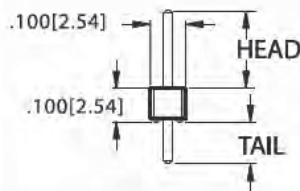
**2.54 mm [.100"] Contact Centers, Male Breakaway Header
Dip Solder**

SPECIFICATIONS

- 3 amp current rating per contact
- UL Flammability Rating: 94V-0
- Insulator: PBT, Nylon 6T, Nylon 9T
- Contact Material: Brass



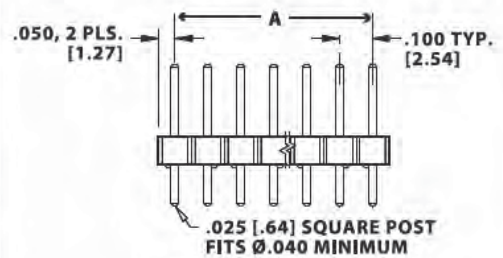
TERMINATION TYPES STRAIGHT TERMINATIONS



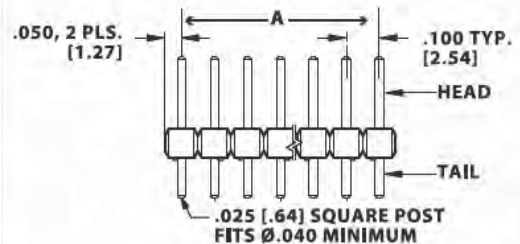
P/N CODE	HEAD DIMENSION	TAIL DIMENSION
AA	.230[5.84]	.120[3.05]
AB	.230[5.84]	.230[5.84]
AC	.230[5.84]	.320[8.13]
AD	.230[5.84]	.420[10.67]
AE	.230[5.84]	.520[13.21]
AF	.230[5.84]	.620[15.75]
AG	.230[5.84]	.720[18.29]
AH	.230[5.84]	.820[20.83]
AI	.230[5.84]	.900[22.86]
AJ	.230[5.84]	1.000[25.40]
AK	.230[5.84]	.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]

DIMENSIONS

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

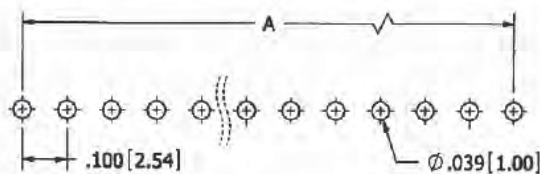


SINGLE READOUT, STRAIGHT TAIL SHOWN

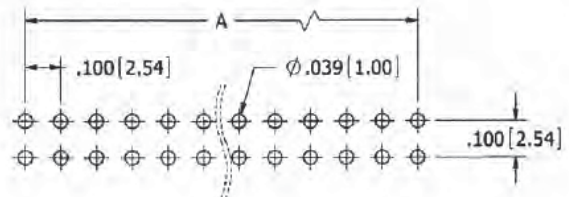


DUAL READOUT, STRAIGHT TAIL SHOWN

RECOMMENDED PCB LAYOUT



SINGLE READOUT, STRAIGHT TAIL SHOWN



DUAL READOUT, STRAIGHT TAIL SHOWN

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



PART NUMBER OPTIONS

PR B C 002 S AA N - RC

INSULATOR/CONTACT MATERIAL
 PR = PBT/BRASS
 Operating Temperature: -40°C to + 105°C
 Processing Temperature: 245° ± 5° C for 3~5 sec. Max.
 NR = NYLON 6T/BRASS
 Operating Temperature: -40°C to + 105°C
 Processing Temperature: 230° for 60 sec. Max.
 (260° for 10 sec. Max.)
 GR = NYLON 9T/BRASS
 Operating Temperature: -40°C to + 105°C
 Processing Temperature: 230° for 60 sec. Max.
 (260° for 10 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
 E = .000100" Pure Tin, Matte .000100" Pure Tin, Matte
 P = Gold Flash Gold Flash

TERMINATION TYPE
 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

READOUT
 S = Single
 D = Dual

NUMBER OF POSITIONS
 Contact Per Row, 002 Thru 040

CONTACT CENTERS
 .100" [2.54mm]

PART NUMBER	A		B		PART NUMBER	A		B	
	Inches	[MM]	Inches	[MM]		Inches	[MM]	Inches	[MM]
_R_C002S__N-RC	0.100	2.54	0.200	5.08	_R_C002D__N-RC	0.100	2.54	0.200	5.08
_R_C003S__N-RC	0.200	5.08	0.300	5.08	_R_C003D__N-RC	0.200	5.08	0.300	5.08
_R_C004S__N-RC	0.300	7.62	0.400	10.16	_R_C004D__N-RC	0.300	7.62	0.400	10.16
_R_C005S__N-RC	0.400	10.16	0.500	12.70	_R_C005D__N-RC	0.400	10.16	0.500	12.70
_R_C006S__N-RC	0.500	12.70	0.600	15.24	_R_C006D__N-RC	0.500	12.70	0.600	15.24
_R_C007S__N-RC	0.600	15.24	0.700	17.78	_R_C007D__N-RC	0.600	15.24	0.700	17.78
_R_C008S__N-RC	0.700	17.78	0.800	20.32	_R_C008D__N-RC	0.700	17.78	0.800	20.32
_R_C009S__N-RC	0.800	20.32	0.900	22.86	_R_C009D__N-RC	0.800	20.32	0.900	22.86
_R_C010S__N-RC	0.900	22.86	1.000	25.40	_R_C010D__N-RC	0.900	22.86	1.000	25.40
_R_C011S__N-RC	1.000	25.40	1.100	27.94	_R_C011D__N-RC	1.000	25.40	1.100	27.94
_R_C012S__N-RC	1.100	27.94	1.200	30.48	_R_C012D__N-RC	1.100	27.94	1.200	30.48
_R_C013S__N-RC	1.200	30.48	1.300	33.02	_R_C013D__N-RC	1.200	30.48	1.300	33.02
_R_C014S__N-RC	1.300	33.02	1.400	35.56	_R_C014D__N-RC	1.300	33.02	1.400	35.56
_R_C015S__N-RC	1.400	35.56	1.500	38.10	_R_C015D__N-RC	1.400	35.56	1.500	38.10
_R_C016S__N-RC	1.500	38.10	1.600	40.64	_R_C016D__N-RC	1.500	38.10	1.600	40.64
_R_C017S__N-RC	1.600	40.64	1.700	43.18	_R_C017D__N-RC	1.600	40.64	1.700	43.18
_R_C018S__N-RC	1.700	43.18	1.800	45.72	_R_C018D__N-RC	1.700	43.18	1.800	45.72
_R_C019S__N-RC	1.800	45.72	1.900	48.26	_R_C019D__N-RC	1.800	45.72	1.900	48.26
_R_C020S__N-RC	1.900	48.26	2.000	50.80	_R_C020D__N-RC	1.900	48.26	2.000	50.80
_R_C021S__N-RC	2.000	50.80	2.100	53.34	_R_C021D__N-RC	2.000	50.80	2.100	53.34
_R_C022S__N-RC	2.100	53.34	2.200	55.88	_R_C022D__N-RC	2.100	53.34	2.200	55.88
_R_C023S__N-RC	2.200	55.88	2.300	58.42	_R_C023D__N-RC	2.200	55.88	2.300	58.42
_R_C024S__N-RC	2.300	58.42	2.400	60.96	_R_C024D__N-RC	2.300	58.42	2.400	60.96
_R_C025S__N-RC	2.400	60.96	2.500	63.50	_R_C025D__N-RC	2.400	60.96	2.500	63.50
_R_C026S__N-RC	2.500	63.50	2.600	66.04	_R_C026D__N-RC	2.500	63.50	2.600	66.04
_R_C027S__N-RC	2.600	66.04	2.700	68.58	_R_C027D__N-RC	2.600	66.04	2.700	68.58
_R_C028S__N-RC	2.700	68.58	2.800	71.12	_R_C028D__N-RC	2.700	68.58	2.800	71.12
_R_C029S__N-RC	2.800	71.12	2.900	73.66	_R_C029D__N-RC	2.800	71.12	2.900	73.66
_R_C030S__N-RC	2.900	73.66	3.000	76.20	_R_C030D__N-RC	2.900	73.66	3.000	76.20
_R_C031S__N-RC	3.000	76.20	3.100	78.74	_R_C031D__N-RC	3.000	76.20	3.100	78.74
_R_C032S__N-RC	3.100	78.74	3.200	81.28	_R_C032D__N-RC	3.100	78.74	3.200	81.28
_R_C033S__N-RC	3.200	81.28	3.300	83.82	_R_C033D__N-RC	3.200	81.28	3.300	83.82
_R_C034S__N-RC	3.300	83.82	3.400	86.36	_R_C034D__N-RC	3.300	83.82	3.400	86.36
_R_C035S__N-RC	3.400	86.36	3.500	88.90	_R_C035D__N-RC	3.400	86.36	3.500	88.90
_R_C036S__N-RC	3.500	88.90	3.600	91.44	_R_C036D__N-RC	3.500	88.90	3.600	91.44
_R_C037S__N-RC	3.600	91.44	3.700	93.98	_R_C037D__N-RC	3.600	91.44	3.700	93.98
_R_C038S__N-RC	3.700	93.98	3.800	96.52	_R_C038D__N-RC	3.700	93.98	3.800	96.52
_R_C039S__N-RC	3.800	96.52	3.900	99.06	_R_C039D__N-RC	3.800	96.52	3.900	99.06
_R_C040S__N-RC	3.900	99.06	4.000	101.60	_R_C040D__N-RC	3.900	99.06	4.000	101.60



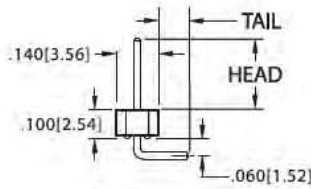
**2.54 mm [.100"] Contact Centers, Male Breakaway Header
Right Angle/SMT**

SPECIFICATIONS

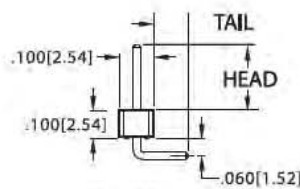
- 3 amp current rating per contact
- UL Flammability Rating: 94V-0
- Insulator: PBT, Nylon 6T, Nylon 9T
- Contact Material: Brass



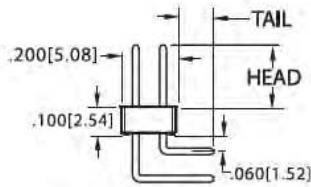
RIGHT ANGLE BEND TERMINATIONS



**RIGHT ANGLE
(Standard)**



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

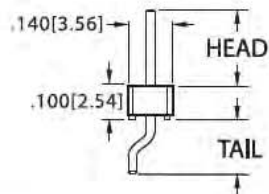


**RIGHT ANGLE DUAL (Narrow)
-M71 Modification Code**

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]

SMT TERMINATIONS

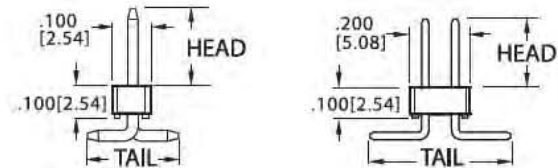
Single Row with -M89 Modification Code



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]

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]



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

PART NUMBER OPTIONS

INSULATOR/CONTACT MATERIAL **PR B C 002 S AA N -Mxx RC**

PR = PBT/BRASS
Operating Temperature: -40°C to + 105°C
Processing Temperature: 245° ± 5° C for 3-5 sec. Max.

NR = NYLON 6T/BRASS
Operating Temperature: -40°C to + 105°C
Processing Temperature: 230° for 60 sec. Max.
(260° for 10 sec. Max.)

GR = NYLON 9T/BRASS
Operating Temperature: -40°C to + 105°C
Processing Temperature: 230° for 60 sec. Max.
(260° for 10 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
E = .000100" Pure Tin, Matte	.000100" Pure Tin, Matte
P = Gold Flash	Gold Flash

CONTACT CENTERS
.100" [2.54mm]

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)

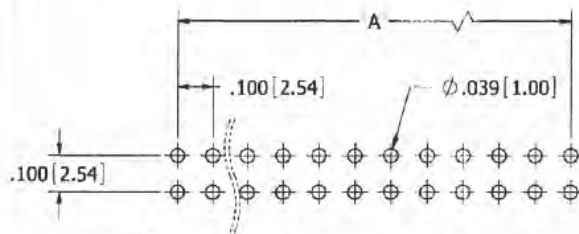
MOUNTING STYLE
N = No Mounting

TERMINATION TYPE
Right Angle = BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ
GA, GB, GC, GD, GE, GF, DA (*Single Row Only*)
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 Only*)
SMT with -M30 Modification Code
= AB, FB, ZS, ZT

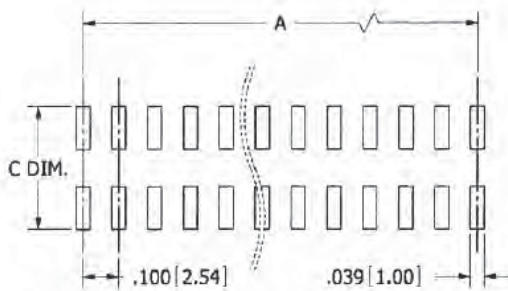
READOUT
S = Single
D = Dual

NUMBER OF POSITIONS
Contact Per Row, 002 Thru 040

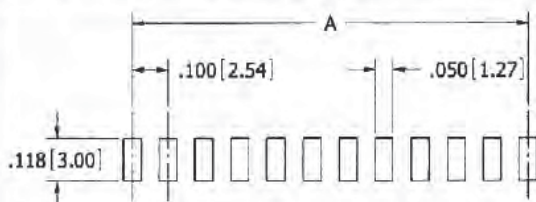
RECOMMENDED PCB LAYOUT



RIGHT ANGLE DUAL (Narrow)
-M71 Modification Code



Single or Dual Row with -M30 Modification Code



Single Row with -M89 Modification Code

PART NUMBER	A		B	
	Inches	[MM]	Inches	[MM]
_R_C002__N__RC	0.100	2.54	0.200	5.08
_R_C003__N__RC	0.200	5.08	0.300	5.08
_R_C004__N__RC	0.300	7.62	0.400	10.16
_R_C005__N__RC	0.400	10.16	0.500	12.70
_R_C006__N__RC	0.500	12.70	0.600	15.24
_R_C007__N__RC	0.600	15.24	0.700	17.78
_R_C008__N__RC	0.700	17.78	0.800	20.32
_R_C009__N__RC	0.800	20.32	0.900	22.86
_R_C010__N__RC	0.900	22.86	1.000	25.40
_R_C011__N__RC	1.000	25.40	1.100	27.94
_R_C012__N__RC	1.100	27.94	1.200	30.48
_R_C013__N__RC	1.200	30.48	1.300	33.02
_R_C014__N__RC	1.300	33.02	1.400	35.56
_R_C015__N__RC	1.400	35.56	1.500	38.10
_R_C016__N__RC	1.500	38.10	1.600	40.64
_R_C017__N__RC	1.600	40.64	1.700	43.18
_R_C018__N__RC	1.700	43.18	1.800	45.72
_R_C019__N__RC	1.800	45.72	1.900	48.26
_R_C020__N__RC	1.900	48.26	2.000	50.80
_R_C021__N__RC	2.000	50.80	2.100	53.34
_R_C022__N__RC	2.100	53.34	2.200	55.88
_R_C023__N__RC	2.200	55.88	2.300	58.42
_R_C024__N__RC	2.300	58.42	2.400	60.96
_R_C025__N__RC	2.400	60.96	2.500	63.50
_R_C026__N__RC	2.500	63.50	2.600	66.04
_R_C027__N__RC	2.600	66.04	2.700	68.58
_R_C028__N__RC	2.700	68.58	2.800	71.12
_R_C029__N__RC	2.800	71.12	2.900	73.66
_R_C030__N__RC	2.900	73.66	3.000	76.20
_R_C031__N__RC	3.000	76.20	3.100	78.74
_R_C032__N__RC	3.100	78.74	3.200	81.28
_R_C033__N__RC	3.200	81.28	3.300	83.82
_R_C034__N__RC	3.300	83.82	3.400	86.36
_R_C035__N__RC	3.400	86.36	3.500	88.90
_R_C036__N__RC	3.500	88.90	3.600	91.44
_R_C037__N__RC	3.600	91.44	3.700	93.98
_R_C038__N__RC	3.700	93.98	3.800	96.52
_R_C039__N__RC	3.800	96.52	3.900	99.06
_R_C040__N__RC	3.900	99.06	4.000	101.60