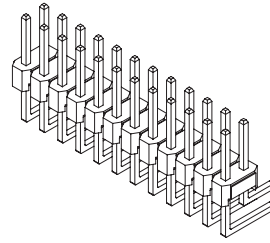




**.100" [2.54 mm] Contact Centers, Male Breakaway Headers, Right Angle/SMT**

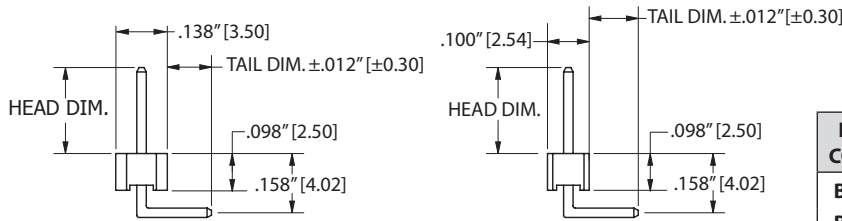
**SPECIFICATIONS**

- 3 Amps current rating
- UL Flammability Rating : 94V-0
- Insulator Material : PBT, Nylon, LCP
- Contact Material : Brass



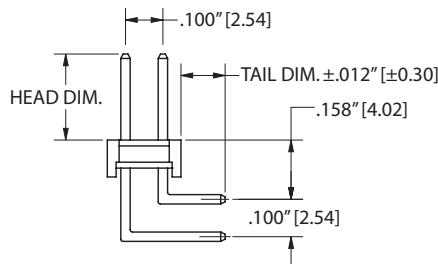
**TERMINATIONS TYPES**

**RIGHT ANGLE TERMINATIONS**



**Single Row (Standard)**  
(EXAMPLE P/N: NRBC012SBAN-RC)

**Single Row (Narrow)  
-M71 Modification Code**  
(EXAMPLE P/N: NRBC012SBAN-M71RC)



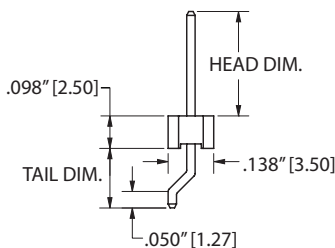
**Dual Row (Narrow) -M71 Modification Code**  
(EXAMPLE P/N: NRBC012DBAN-M71RC)

P/N CODE	HEAD	TAIL	-M71 TAIL
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" [12.70]	.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 in Dual Row

**SMT TERMINATIONS**

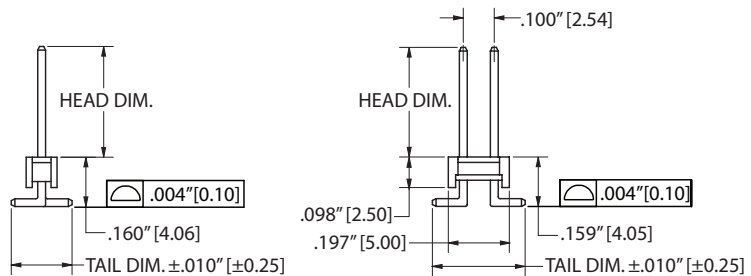
**Single Row with -M89 Modification Code**  
(EXAMPLE P/N: NRBC012SBSN-M89RC)



P/N CODE	HEAD	TAIL
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**  
(EXAMPLE P/N: NRBC012SABC-M30RC) (EXAMPLE P/N: NRBC012DABN-M30RC)



P/N CODE	HEAD	SINGLE ROW TAIL	DUAL ROW TAIL
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]



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

### PART NUMBER OPTIONS

#### MATERIALS (INSULATOR/CONTACT)

- PR = PBT/BRASS  
Operating Temperature: -40°C to +105°C  
Processing Temperature: Wave/Manual Soldering
- NR = NYLON/BRASS  
Operating Temperature: -40°C to +105°C  
Processing Temperature: Wave/Manual Soldering
- LR = LCP/BRASS  
Operating Temperature: -40°C to +125°C  
Processing Temperature: 230°C Max. for 60 seconds,  
(260°C Max. for 10 seconds)

#### CONTACT FINISH - RoHS Compliant

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

- |                        |                          |
|------------------------|--------------------------|
| <b>Contact Surface</b> | <b>Termination</b>       |
| B = .000010" Gold      | .000100" Pure Tin, Matte |
| C = .000030" Gold      | .000100" Pure Tin, Matte |
| E = Tin Overall        |                          |
| P = Gold Flash Overall |                          |

#### CONTACT CENTERS

- C = .100" [2.54 mm]

#### NUMBER OF POSITIONS

Contacts Per row, 002 Thru 040

### PR B C 002 S BA N - Mxxx RC

#### MODIFICATION CODE (Consult Factory)

- SINGLE ROW OMIT FOR STANDARD ('NR' Material Only)
- M30 = SMT ('NR' & 'LR' Material Only), Vertical
- M89 = SMT ('NR' Material Only), Horizontal
- M71 = Right Angle ('PR', 'NR', 'LR' Material), Narrow Body

#### MOUNTING STYLE

- N = No Mounting
- C = SMT, Single Row (Standard)
- D = SMT, Single Row (Opposite Bend)

#### TERMINATION TYPE

- Right Angle** = BA, BB, BC, BD, BE, BH, BI, BJ, GA, GB, GE, GF  
(Single Row or Dual Row)
- = BF, BG, GC, GD, DA (Single Row Only)

#### SMT with -M89 Modification Code

- = BS, GS, ZC, ZU (Single Row Only)

#### SMT with -M30 Modification Code

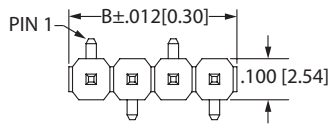
- = AB, FB, ZS, ZT

#### READOUT

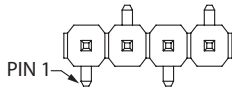
- S = Single
- D = Dual

### DIMENSIONS

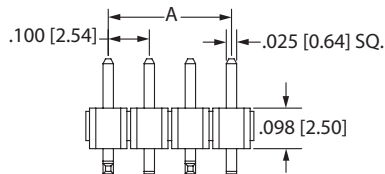
Dimensions in [ ] are in millimeters, all others are in inches.



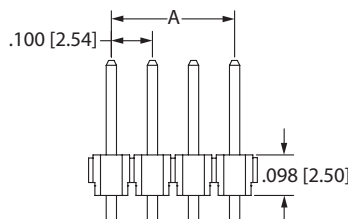
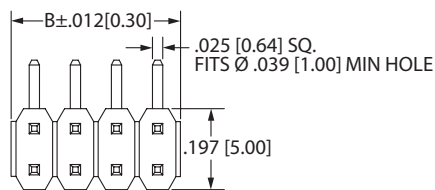
P/N: R C S C-M30RC  
(STANDARD)



P/N: R C S D-M30RC  
(OPPOSITE BEND, ONLY APPLICABLE ON EVEN PIN COUNTS)



SINGLE READOUT,  
SMT TAIL -M30 SHOWN



DUAL READOUT,  
RIGHT ANGLE TAIL -M71 SHOWN

PART NUMBER	A		B	
	in	mm	in	mm
_R_C002_ - - RC	0.100	2.54	0.200	5.08
_R_C003_ - - RC	0.200	5.08	0.300	7.62
_R_C004_ - - RC	0.300	7.62	0.400	10.16
_R_C005_ - - RC	0.400	10.16	0.500	12.70
_R_C006_ - - RC	0.500	12.70	0.600	15.24
_R_C007_ - - RC	0.600	15.24	0.700	17.78
_R_C008_ - - RC	0.700	17.78	0.800	20.32
_R_C009_ - - RC	0.800	20.32	0.900	22.86
_R_C010_ - - RC	0.900	22.86	1.000	25.40
_R_C011_ - - RC	1.000	25.40	1.100	27.94
_R_C012_ - - RC	1.100	27.94	1.200	30.48
_R_C013_ - - RC	1.200	30.48	1.300	33.02
_R_C014_ - - RC	1.300	33.02	1.400	35.56
_R_C015_ - - RC	1.400	35.56	1.500	38.10
_R_C016_ - - RC	1.500	38.10	1.600	40.64
_R_C017_ - - RC	1.600	40.64	1.700	43.18
_R_C018_ - - RC	1.700	43.18	1.800	45.72
_R_C019_ - - RC	1.800	45.72	1.900	48.26
_R_C020_ - - RC	1.900	48.26	2.000	50.80
_R_C021_ - - RC	2.000	50.80	2.100	53.34
_R_C022_ - - RC	2.100	53.34	2.200	55.88
_R_C023_ - - RC	2.200	55.88	2.300	58.42
_R_C024_ - - RC	2.300	58.42	2.400	60.96
_R_C025_ - - RC	2.400	60.96	2.500	63.50
_R_C026_ - - RC	2.500	63.50	2.600	66.04
_R_C027_ - - RC	2.600	66.04	2.700	68.58
_R_C028_ - - RC	2.700	68.58	2.800	71.12
_R_C029_ - - RC	2.800	71.12	2.900	73.66
_R_C030_ - - RC	2.900	73.66	3.000	76.20
_R_C031_ - - RC	3.000	76.20	3.100	78.74
_R_C032_ - - RC	3.100	78.74	3.200	81.28
_R_C033_ - - RC	3.200	81.28	3.300	83.82
_R_C034_ - - RC	3.300	83.82	3.400	86.36
_R_C035_ - - RC	3.400	86.36	3.500	88.90
_R_C036_ - - RC	3.500	88.90	3.600	91.44
_R_C037_ - - RC	3.600	91.44	3.700	93.98
_R_C038_ - - RC	3.700	93.98	3.800	96.52
_R_C039_ - - RC	3.800	96.52	3.900	99.06
_R_C040_ - - RC	3.900	99.06	4.000	101.60