

MATERIAL (INSULATOR / CONTACT)
(SEE MATERIAL TABLE)

PLATING
ALL PLATINGS HAVE .000050" MIN NICKEL UNDERPLATE

CONTACT SURFACE	TERMINATION
B = .000010" GOLD	.000100" PURE TIN, MATTE
C = .000030" GOLD	.000100" PURE TIN, MATTE
G = .000010" GOLD	.000005" GOLD
E = .000100" PURE TIN, MATTE OVERALL	
S = .000010" GOLD OVERALL	
M = .000030" GOLD	.000010" GOLD OVERALL

PART NUMBER CODING
C S N - M

MODIFICATION
M89 = RIGHT ANGLE SURFACE MOUNT
M511 = SAME AS M89 WITH BROWN PPS (MATERIAL CODE 'R' ONLY)
M308 = SAME AS M89 WITH WHITE PA9T (MATERIAL CODE 'G' ONLY)

TERMINATION TYPE

NUMBER OF POSITIONS PER ROW
(01 THRU 36)

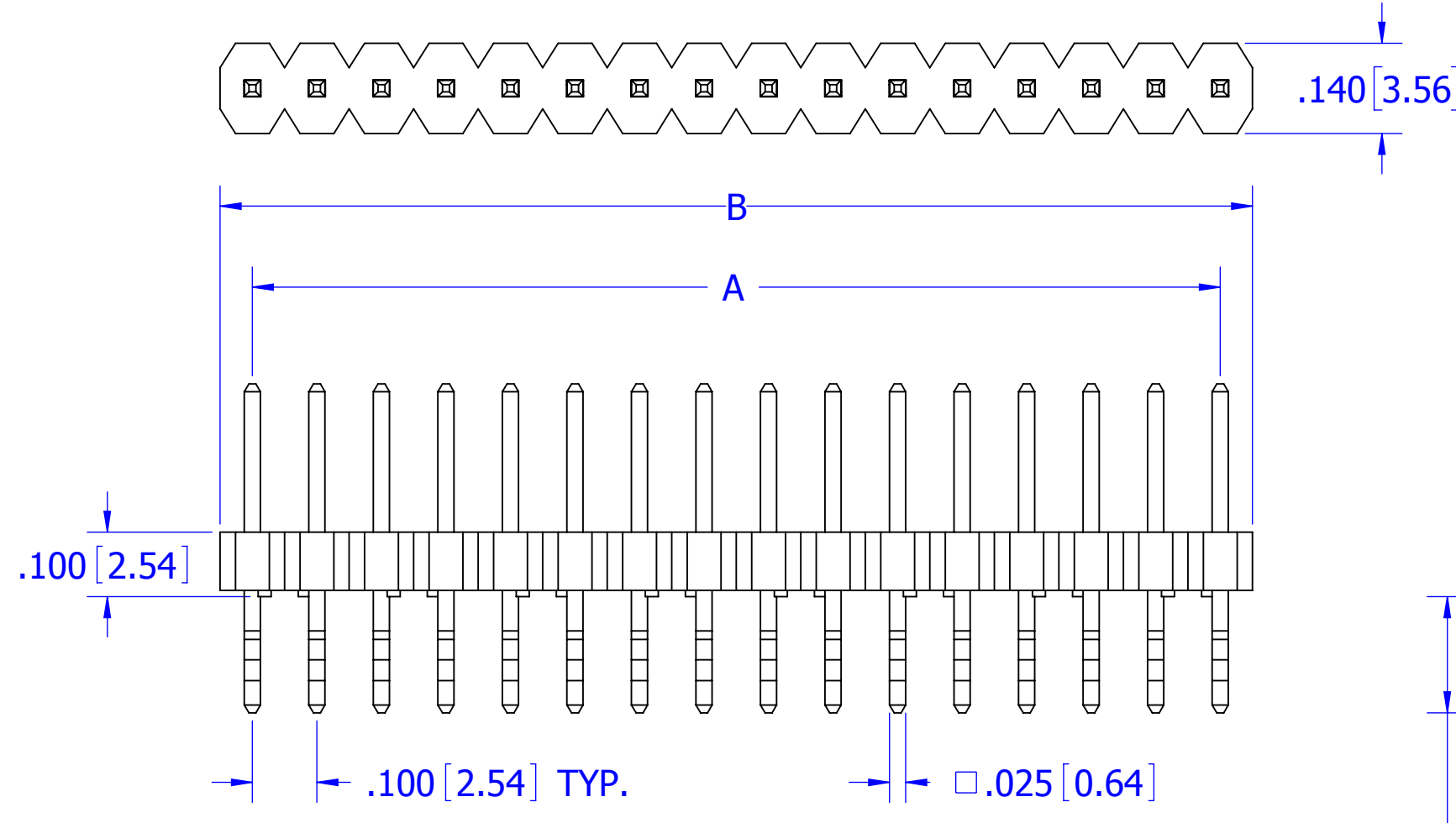
MATERIAL TABLE

LETTER CODE	INSULATOR / CONTACT	OPERATING TEMP.	PROCESSING TEMP.	MODIFICATION NUMBER
G	BLACK PA9T / PHOSPHOR BRONZE	-65°C TO +150°C	260°C MAX FOR 10 SECS	M89
G	WHITE PA9T / PHOSPHOR BRONZE	-65°C TO +150°C	260°C MAX FOR 10 SECS	M308
*R	GREEN PPS / PHOSPHOR BRONZE**	-65°C TO +200°C	260°C MAX FOR 20 SECS	M89
*R	BROWN PPS / PHOSPHOR BRONZE**	-65°C TO +200°C	260°C MAX FOR 20 SECS	M511
*Q	TAN PEEK / PHOSPHOR BRONZE**	-65°C TO +250°C	260°C MAX FOR 20 SECS	M89

* AVAILABLE WITH OVERALL GOLD PLATING ('M') ONLY
** OR EQUIVALENT

REVISIONS

REV.	ECO. NO	DESCRIPTION	DATE	BY
M	3749	UPDATE NOTCH ON TOP VIEW & M89 DESCRIPTION (RA WAS HORIZONTAL SMT)	1/12/2018	JH



--- C --- S --- N - M89
--- C --- S --- N - M511
--- C --- S --- N - M308

TERMINATION TYPE
HORIZONTAL SURFACE MOUNT

CODE	HEAD DIMENSION ±.008[0.20]	TAIL DIMENSION ±.008[0.20]
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]

PART NUMBER	A		B	
	INCH ±.008	MM ±0.20	INCH ±.020	MM ±0.51
__C01S__N-M__	N/A	N/A	.100	2.54
__C02S__N-M__	.100	2.54	.200	5.08
__C03S__N-M__	.200	5.08	.300	7.62
__C04S__N-M__	.300	7.62	.400	10.16
__C05S__N-M__	.400	10.16	.500	12.70
__C06S__N-M__	.500	12.70	.600	15.24
__C07S__N-M__	.600	15.24	.700	17.78
__C08S__N-M__	.700	17.78	.800	20.32
__C09S__N-M__	.800	20.32	.900	22.86
__C10S__N-M__	.900	22.86	1.000	25.40
__C11S__N-M__	1.000	25.40	1.100	27.94
__C12S__N-M__	1.100	27.94	1.200	30.48
__C13S__N-M__	1.200	30.48	1.300	33.02
__C14S__N-M__	1.300	33.02	1.400	35.56
__C15S__N-M__	1.400	35.56	1.500	38.10
__C16S__N-M__	1.500	38.10	1.600	40.64
__C17S__N-M__	1.600	40.64	1.700	43.18
__C18S__N-M__	1.700	43.18	1.800	45.72
__C19S__N-M__	1.800	45.72	1.900	48.26
__C20S__N-M__	1.900	48.26	2.000	50.80
__C21S__N-M__	2.000	50.80	2.100	53.34
__C22S__N-M__	2.100	53.34	2.200	55.88
__C23S__N-M__	2.200	55.88	2.300	58.42
__C24S__N-M__	2.300	58.42	2.400	60.96
__C25S__N-M__	2.400	60.96	2.500	63.50
__C26S__N-M__	2.500	63.50	2.600	66.04
__C27S__N-M__	2.600	66.04	2.700	68.58
__C28S__N-M__	2.700	68.58	2.800	71.12
__C29S__N-M__	2.800	71.12	2.900	73.66
__C30S__N-M__	2.900	73.66	3.000	76.20
__C31S__N-M__	3.000	76.20	3.100	78.74
__C32S__N-M__	3.100	78.74	3.200	81.28
__C33S__N-M__	3.200	81.28	3.300	83.82
__C34S__N-M__	3.300	83.82	3.400	86.36
__C35S__N-M__	3.400	86.36	3.500	88.90
__C36S__N-M__	3.500	88.90	3.600	91.44

- NOTES:**
- INSULATOR MATERIAL: SEE PART NUMBER CODING
 - CONTACT MATERIAL: SEE PART NUMBER CODING
 - PLATING: SEE PART NUMBER CODING
 - OPERATING TEMPERATURE: SEE MATERIAL TABLE
 - PROCESSING TEMPERATURE: SEE MATERIAL TABLE
 - UL FLAMMABILITY: 94V-0
 - DIELECTRIC WITHSTANDING VOLTAGE: 1800 VAC
 - CURRENT RATING: 3 AMPS
 - CONTACT RESISTANCE : 30 MILLIOHMS MAX
 - INSULATION RESISTANCE: 5000 MEGA OHMS MIN
 - MODIFICATION: RIGHT ANGLE SURFACE MOUNT, SINGLE ROW, NO GUIDE POST

PCB LAYOUT RECOMMENDED



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:
ANGULAR: ± 1°
DECIMALS
.XX = ± .02 [.5]
.XXX = ± .005 [.13]
.XXXX = ± .0005 [.013]

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DRAWN	DATE	NAME	
	9/8/2011	JH	
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			HEADER .100 CC
			PART NUMBER
			__C__S__N-(M89,M511,M308)
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10060	M
SCALE: 4:1		SHEET 1 OF 1	