PART NUMBER CODING

_ _ _C_ _ _S_ _N-RC

INSULATOR / CONTACT MATERIAL

PR = PBT / BRASS
OPERATING TEMPERATURE: -40° C TO +105° C.
PROCESSING TEMP: 245°C ±5°C FOR 3~5 SECS MAX.

NR = NYLON 6T / BRASS
OPERATING TEMPERATURE: -40° C TO +105° C.
PROCESSING TEMP: 230°C FOR 60 SECS MAX.
(260°C FOR 10 SECS MAX.)

GR = NYLON 9T / BRASS
OPERATING TEMPERATURE: -40° C TO +105° C.
PROCESSING TEMP: 230°C FOR 60 SECS MAX.
(260°C FOR 10 SECS MAX.)

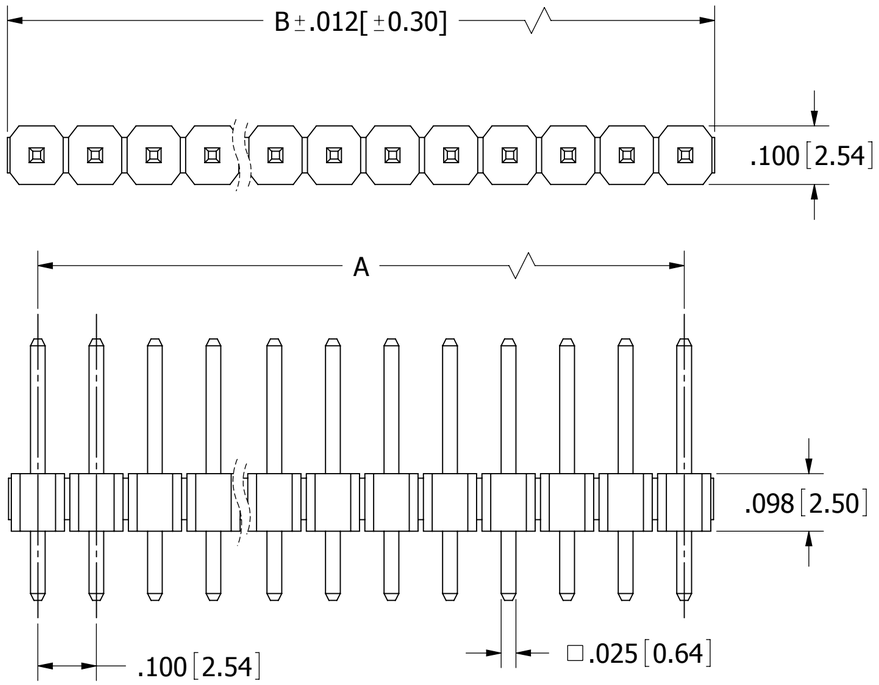
TERMINATION TYPE

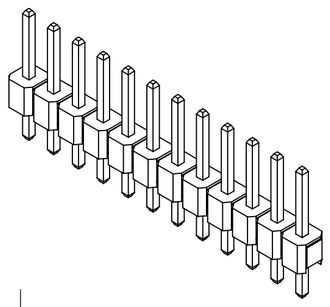
NUMBER OF POSITIONS
(CONTACTS PER ROW, 002 THRU 040)

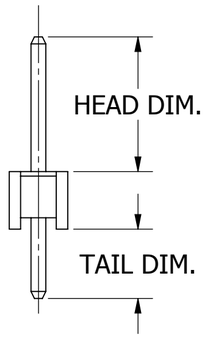
PLATING
(ALL PLATINGS HAVE .000030"~.000050" MIN NICKEL UNDERPLATE)

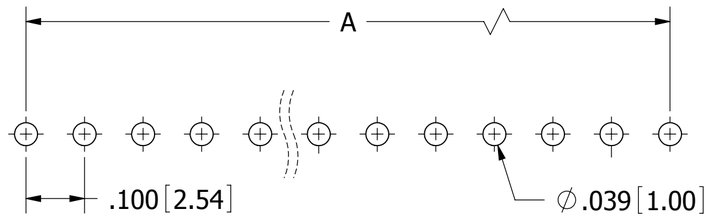
	CONTACT SURFACE	TERMINATION
B =	.000010" GOLD	.000100" PURE TIN, MATTE
C =	.000030" GOLD	.000100" PURE TIN, MATTE
E =	TIN OVERALL	
P =	GOLD FLASH OVERALL	

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	2268	INITIAL RELEASE	03/21/2011	LH
B	2422	ADD 'P' PLATING OPTION, OBSOLETE 11139	08/04/2011	LH









RECOMMENDED PCB LAYOUT

TERMINATION TYPE				
CODE	HEAD DIM		TAIL DIM	
	INCH	MM	INCH	MM
AA	0.230	5.84	0.120	3.05
AB	0.230	5.84	0.230	5.84
AC	0.230	5.84	0.320	8.13
AD	0.230	5.84	0.420	10.67
AE	0.230	5.84	0.520	13.21
AF	0.230	5.84	0.620	15.75
AG	0.230	5.84	0.720	18.29
AH	0.230	5.84	0.820	20.83
AI	0.230	5.84	0.900	22.86
AJ	0.230	5.84	1.000	25.40
AK	0.230	5.84	0.035	0.89
FA	0.318	8.08	0.120	3.05
FB	0.318	8.08	0.220	5.59
FC	0.318	8.08	0.320	8.13
FD	0.318	8.08	0.420	10.67
FE	0.318	8.08	0.520	13.21
FF	0.318	8.08	0.620	15.75
FG	0.318	8.08	0.710	18.03
FH	0.318	8.08	0.810	20.57
FI	0.318	8.08	0.910	23.11
FJ	0.318	8.08	0.050	1.27
ZA	0.120	3.05	0.120	3.05
ZB	0.120	3.05	0.095	2.41
ZC	0.120	3.05	0.260	6.60
ZD	0.120	3.05	0.610	15.49
ZI	0.520	13.21	0.110	2.79
ZJ	0.720	18.29	0.110	2.79
ZO	0.820	20.83	0.110	2.79
ZQ	1.020	25.91	0.110	2.79
ZR	1.220	30.99	0.110	2.79

PART NUMBER	A		B	
	INCH	MM	INCH	MM
_ _ _C002S_ _N-RC	0.100	2.54	0.200	5.08
_ _ _C003S_ _N-RC	0.200	5.08	0.300	7.62
_ _ _C004S_ _N-RC	0.300	7.62	0.400	10.16
_ _ _C005S_ _N-RC	0.400	10.16	0.500	12.70
_ _ _C006S_ _N-RC	0.500	12.70	0.600	15.24
_ _ _C007S_ _N-RC	0.600	15.24	0.700	17.78
_ _ _C008S_ _N-RC	0.700	17.78	0.800	20.32
_ _ _C009S_ _N-RC	0.800	20.32	0.900	22.86
_ _ _C010S_ _N-RC	0.900	22.86	1.000	25.40
_ _ _C011S_ _N-RC	1.000	25.40	1.100	27.94
_ _ _C012S_ _N-RC	1.100	27.94	1.200	30.48
_ _ _C013S_ _N-RC	1.200	30.48	1.300	33.02
_ _ _C014S_ _N-RC	1.300	33.02	1.400	35.56
_ _ _C015S_ _N-RC	1.400	35.56	1.500	38.10
_ _ _C016S_ _N-RC	1.500	38.10	1.600	40.64
_ _ _C017S_ _N-RC	1.600	40.64	1.700	43.18
_ _ _C018S_ _N-RC	1.700	43.18	1.800	45.72
_ _ _C019S_ _N-RC	1.800	45.72	1.900	48.26
_ _ _C020S_ _N-RC	1.900	48.26	2.000	50.80
_ _ _C021S_ _N-RC	2.000	50.80	2.100	53.34
_ _ _C022S_ _N-RC	2.100	53.34	2.200	55.88
_ _ _C023S_ _N-RC	2.200	55.88	2.300	58.42
_ _ _C024S_ _N-RC	2.300	58.42	2.400	60.96
_ _ _C025S_ _N-RC	2.400	60.96	2.500	63.50
_ _ _C026S_ _N-RC	2.500	63.50	2.600	66.04
_ _ _C027S_ _N-RC	2.600	66.04	2.700	68.58
_ _ _C028S_ _N-RC	2.700	68.58	2.800	71.12
_ _ _C029S_ _N-RC	2.800	71.12	2.900	73.66
_ _ _C030S_ _N-RC	2.900	73.66	3.000	76.20
_ _ _C031S_ _N-RC	3.000	76.20	3.100	78.74
_ _ _C032S_ _N-RC	3.100	78.74	3.200	81.28
_ _ _C033S_ _N-RC	3.200	81.28	3.300	83.82
_ _ _C034S_ _N-RC	3.300	83.82	3.400	86.36
_ _ _C035S_ _N-RC	3.400	86.36	3.500	88.90
_ _ _C036S_ _N-RC	3.500	88.90	3.600	91.44
_ _ _C037S_ _N-RC	3.600	91.44	3.700	93.98
_ _ _C038S_ _N-RC	3.700	93.98	3.800	96.52
_ _ _C039S_ _N-RC	3.800	96.52	3.900	99.06
_ _ _C040S_ _N-RC	3.900	99.06	4.000	101.60

NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING, UL 94V-0, BLACK.
2. CONTACT MATERIAL: SEE PART NUMBER CODING.
3. CONTACT PLATING: SEE PART NUMBER CODING.
4. CURRENT RATING: 3 AMPS PER CONTACT.
5. INSULATOR RESISTANCE: 5000 MEGOHMS MIN.
6. CONTACT RESISTANCE: 20 MILLIOHMS MAX.
7. DIELECTRIC WITHSTANDING: 1000 VAC.
8. OPERATING TEMPERATURE: SEE PART NUMBER CODING.
9. *PROCESSING TEMP.: SEE PART NUMBER CODING.

*INDICATED TEMPERATURE AND TIME IS FOR COMPONENT INSULATOR. HIGHER PROCESSING TEMPERATURES MAY BE USED, PROVIDED HEAT IS APPLIED FROM BACK SIDE OF PCB, AND INSULATOR DOES NOT EXCEED INDICATED TEMPERATURE AND TIME.

Pb
RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES[MM]

TOLERANCES: ANGULAR:
.XX=± .012 [.30]
.XXX=± .008 [.20]
.XXXX=± .0040 [.100]

INTERPRET DIMENSIONS AND TOLERANCING PER: ASME Y14.5M-2009

DRAWN	DATE	NAME
	03/21/2011	LH

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SULLINS CONNECTOR SOLUTIONS

TITLE: HEADER MALE .100" PITCH, STRAIGHT

PART NUMBER: _ R_C_ _ _S_ _N-RC

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	11635	B

SCALE: 5:1 SHEET 1 OF 1