

CKT SIZE	DIM A	DIM B	DIM C	DIM D
2	.165 (4.20)	.378 (9.60)	.520 (13.20)	.772 (19.60)
4	.496 (12.60)	.709 (18.00)	.850 (21.60)	1.102 (28.00)
5	.661 (16.80)	.874 (22.20)	1.016 (25.80)	1.268 (32.20)
6	.827 (21.00)	1.039 (26.40)	1.181 (30.00)	1.433 (36.40)
7	.992 (25.20)	1.205 (30.60)	1.346 (34.20)	1.598 (40.60)
8	1.157 (29.40)	1.370 (34.80)	1.512 (38.40)	1.764 (44.80)
9	1.323 (33.60)	1.535 (39.00)	1.677 (42.60)	1.929 (49.00)
10	1.488 (37.80)	1.701 (43.20)	1.843 (46.80)	2.094 (53.20)
11	1.654 (42.00)	1.866 (47.40)	2.008 (51.00)	2.260 (57.40)
12	1.819 (46.20)	2.031 (51.60)	2.173 (55.20)	2.425 (61.60)

172648

PLATING & PACKAGING

SEE NOTE 2

0 = TIN

1 = GOLD

6 = TIN ,TRAY PACKAGING

(ONLY FOR 4 & 5 CKT)

7 = GOLD ,TRAY PACKAGAING

(ONLY FOR 4 & 5 CKT)

ASSEMBLY TYPE & HOUSING MATERIAL

1 = SINGLE ROW W/PEGS, POSITIVE LOCK

MATERIAL= NYLON, UL 94V-2

2 = SINGLE ROW W/SCREW MOUNT, POSITIVE LOCK

3 = SINGLE ROW W/PEGS, POSITIVE LOCK

MATERIAL= NYLON, UL 94V-0

NOTES:

1) MATERIAL:

HOUSING:

MATERIAL 1: UNFILLED NYLON, UL94V-2, IEC 60335-1,

5TH EDITION GLOW WIRE CAPABLE, COLOR - BLACK.

MATERIAL 2: UNFILLED NYLON, UL94V-0, IEC 60335-1,

5TH EDITION GLOW WIRE CAPABLE, COLOR - BLACK.

TERMINAL:

BRASS ALLOY

2) FINISH (PLATING):

GOLD = .000030/(0.00076) MIN. SELECT GOLD OVER

.000100/(0.00254) MIN.SELECT MATTE TIN

OVER .000050/(0.00127) MIN. NICKEL OVERALL

TIN = .000100/(0.00254) MIN. MATTE TIN OVER

.000050/(0.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-001

4) PACKAGING SPECIFICATION: BULK PACK PER PK-5569-002

TRAY PACK PER PK-5569-005

5) PART MATES WITH MINI-FIT JR. RECEPTACLE SERIES 46994.

6) SCREW MOUNT PARTS ARE DESIGNED FOR USE WTH #4 OR

M3 SELF TAPPING SCREWS.

7) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.

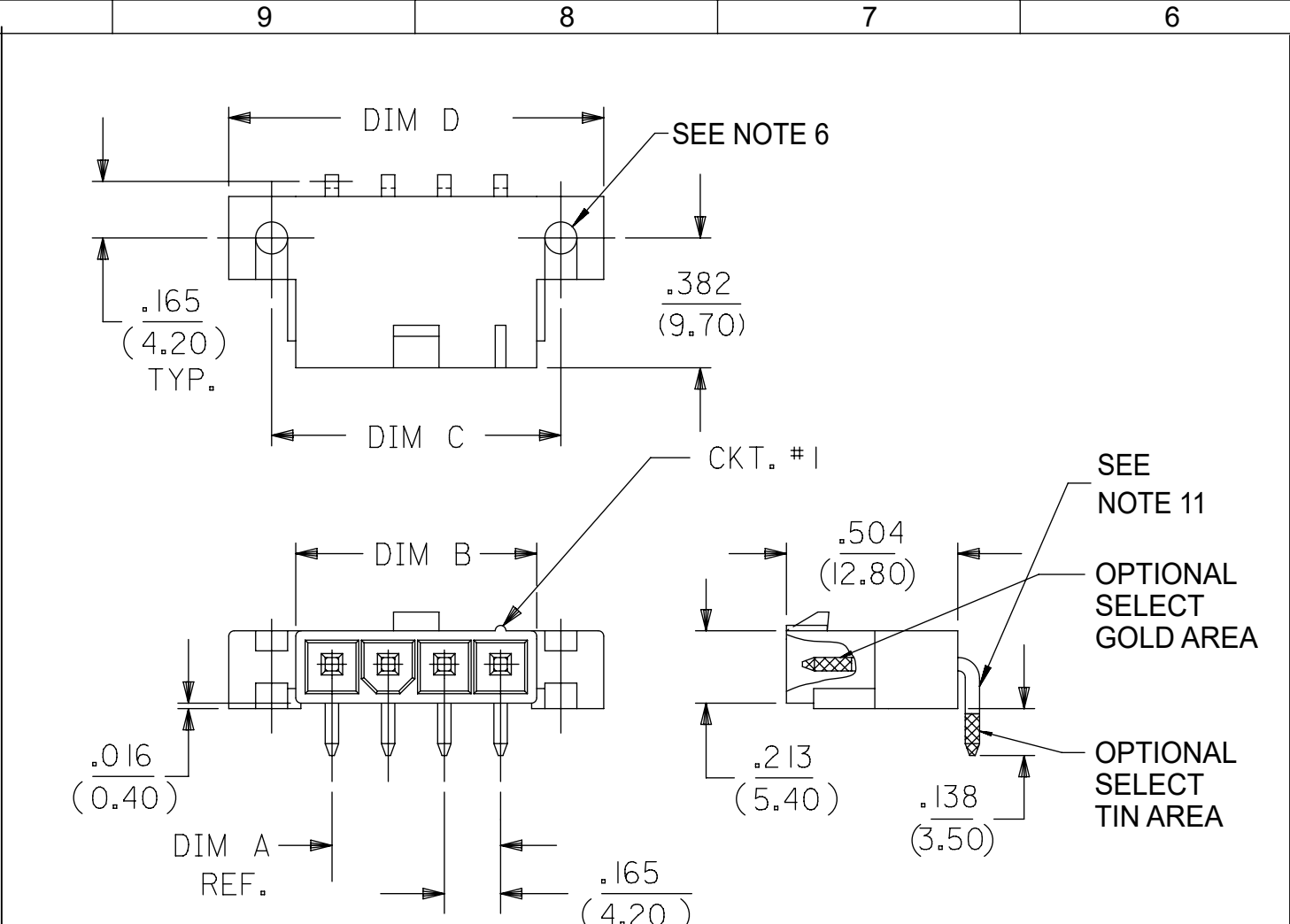
8) CONNECTORS ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.

9) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

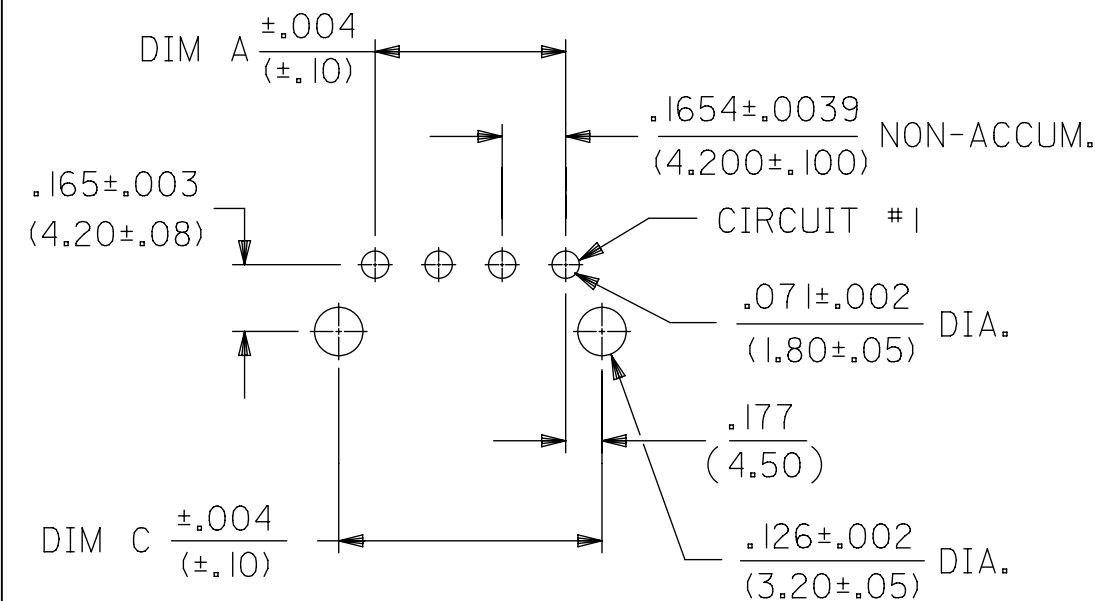
10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002, WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET CLASS "C" REQUIREMENTS.

11) FORMING MARKS ON PINS ARE ACCEPTABLE.

DOCUMENT STATUS	P1	RELEASE DATE	2024/02/22	08:03:45
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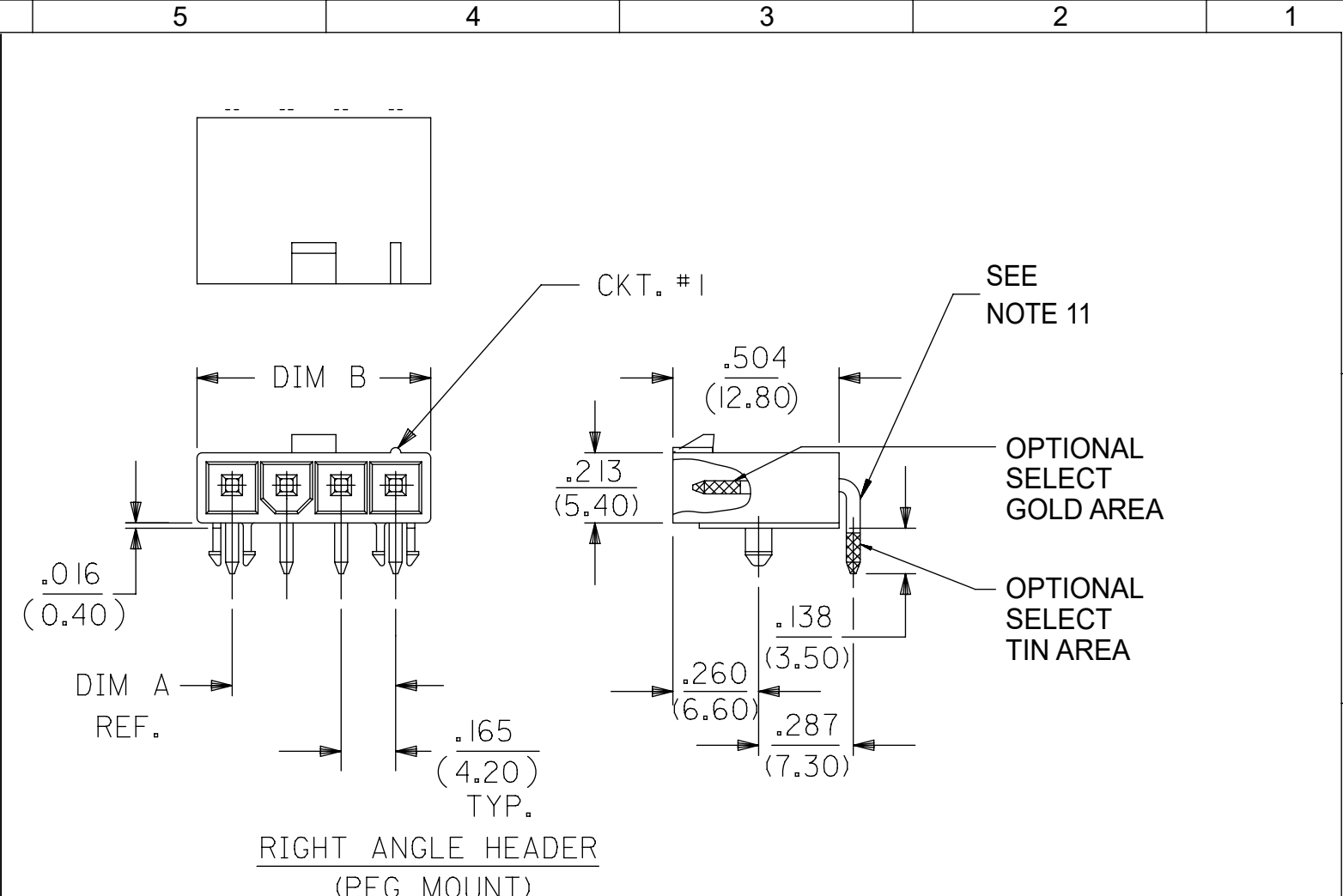


RIGHT ANGLE HEADER
(SCREW MOUNT)

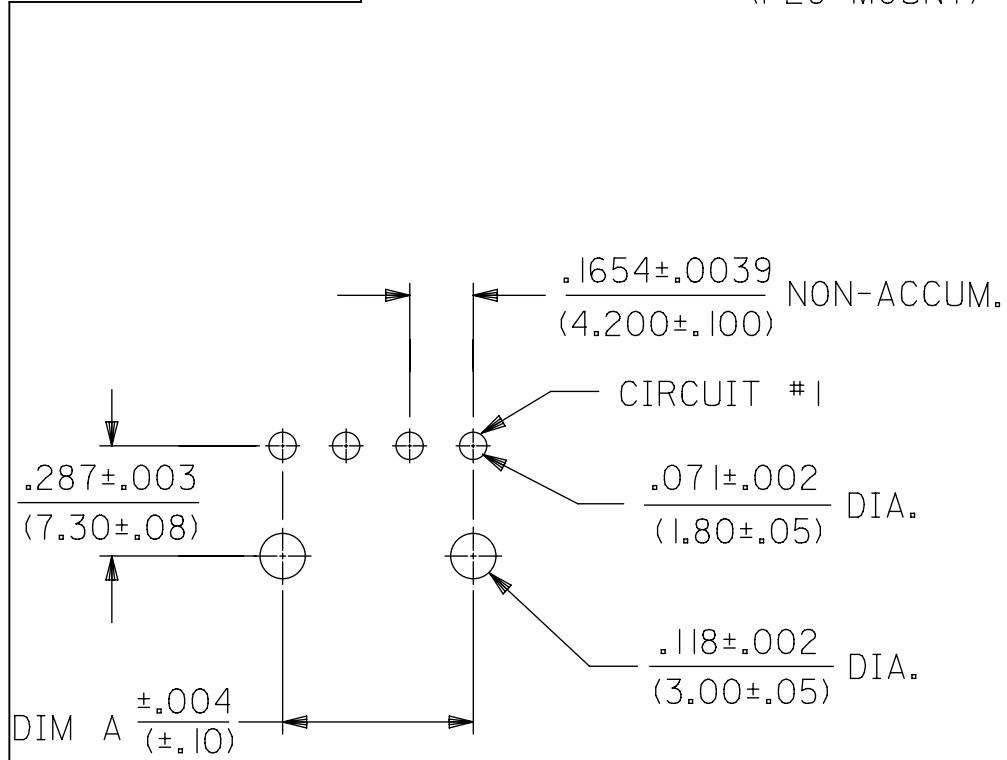


RECOMMENDED HOLE LAYOUT FOR
.070/(1.78) MAX. THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE

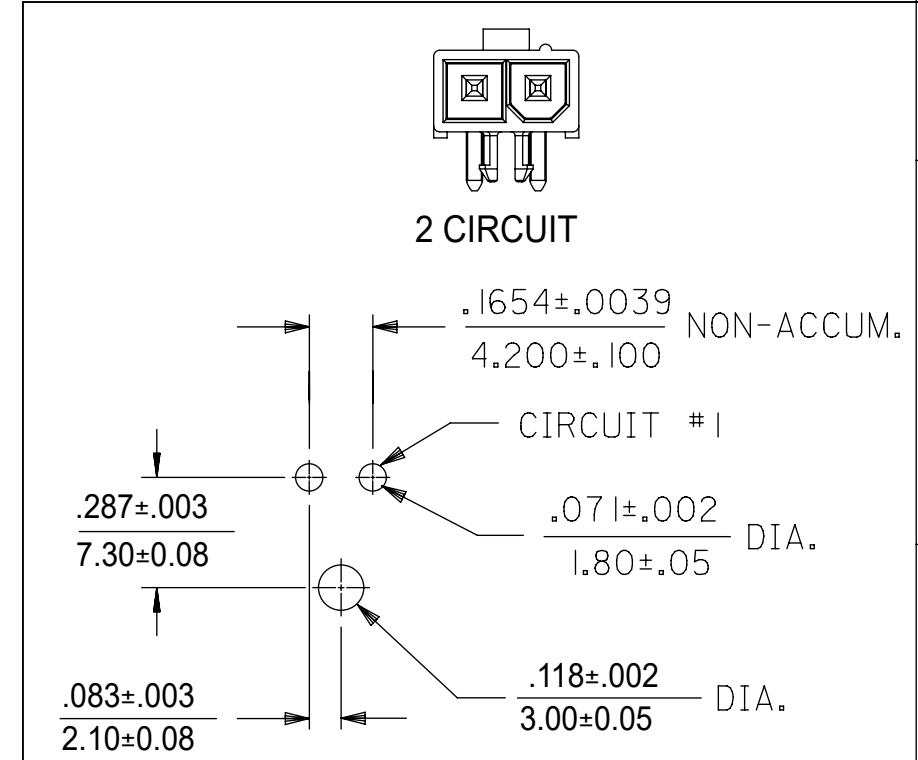
PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	HOUSING MATERIAL	PACKAGING
172648-0302	2	PEG	TIN	NYLON UL94V-0	TRAY
172648-6304	4				TRAY
172648-6305	5				TRAY
172648-0306	6				TRAY
PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	HOUSING MATERIAL	PACKAGING
172648-1302	2	PEG	GOLD	NYLON UL94V-0	TRAY
172648-7304	4				TRAY
172648-7305	5				TRAY
172648-1306	6				TRAY



RIGHT ANGLE HEADER
(PEG MOUNT)



RECOMMENDED HOLE LAYOUT FOR
.070/(1.78) MAX. THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE
4-12 CIRCUIT PART



RECOMMENDED HOLE LAYOUT FOR
.070/ 1.78 MAX. THICK P.C. BOARD
VIEWED FROM COMPONENT SIDE
2 CIRCUIT PART

BULK PACKAGED PER PK-5569-002											
BULK PACKED PART NUMBERS ARE NOT RECOMMENDED, FOR NEW APPLICATIONS USE THE TRAY PACKED PART NUMBERS											
PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	HOUSING MATERIAL	PACKAGING	PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	HOUSING MATERIAL	PACKAGING
172648-0102	2	PEG	TIN	NYLON UL94V-2	TRAY	172648-1102	2	PEG	GOLD	NYLON UL94V-2	TRAY
172648-0104	4				BULK	172648-1104	4				BULK
172648-6104	4				TRAY	172648-7104	4				TRAY
172648-0105	5				BULK	172648-1105	5				BULK
172648-6105	5				TRAY	172648-7105	5				TRAY
172648-0106	6				TRAY	172648-1106	6				TRAY

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				
INCH/MM		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)								MINI-FIT JR RIGHT ANGLE HEADER ASSEMBLY SINGLE ROW, GLOW WIRE				
ANGULAR TOL ± 3.0 °												
4 PLACES ±												
3 PLACES ±				DRWN: JERRYW8 2024/02/20								
2 PLACES ± 0.38				CHK'D: XQZHANG 2024/02/22								
1 PLACE ±				APPR: XQZHANG 2024/02/22				PRODUCT CUSTOMER DRAWING				
0 PLACES ±				INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
DRWN: NNGUYEN 2014/04/11				2014/05/16				SD-172648-0000		PSD	001	B2
APPR: FSMITH				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A2-SIZE		172648	SEE CHART	GENERAL MARKET		1 OF 2		

14	13	12	11	10	9	8	7	6	5	4	3	2	1																											
<table><tr><th>PART NUMBER</th><th>CKT SIZE</th><th>MOUNTING OPTION</th><th>PLATING SEE NOTE 2</th><th>HOUSING MATERIAL</th><th>PACKAGING</th></tr><tr><td>172648-0103</td><td>3</td><td rowspan="4">PEG</td><td>TIN</td><td>NYLON UL94V-2</td><td>BULK</td></tr><tr><td>172648-1103</td><td>3</td><td>GOLD</td><td>NYLON UL94V-2</td><td>BULK</td></tr><tr><td>172648-6303</td><td>3</td><td>TIN</td><td>NYLON UL94V-0</td><td>TRAY</td></tr><tr><td>172648-7303</td><td>3</td><td>GOLD</td><td>NYLON UL94V-0</td><td>TRAY</td></tr></table>					PART NUMBER	CKT SIZE	MOUNTING OPTION	PLATING SEE NOTE 2	HOUSING MATERIAL	PACKAGING	172648-0103	3	PEG	TIN	NYLON UL94V-2	BULK	172648-1103	3	GOLD	NYLON UL94V-2	BULK	172648-6303	3	TIN	NYLON UL94V-0	TRAY	172648-7303	3	GOLD	NYLON UL94V-0	TRAY									
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172648 - * * 03 PLATING & PACKAGING SEE NOTE 2 0 = TIN 1 = GOLD 6 = TIN ,TRAY PACKAGING (ONLY FOR 4 & 5 CKT) 7 = GOLD ,TRAY PACKAGAING (ONLY FOR 4 & 5 CKT) ASSEMBLY TYPE & HOUSING MATERIAL 1 = SINGLE ROW W/PEGS, POSITIVE LOCK MATERIAL= NYLON, UL 94V-2 2 = SINGLE ROW W/SCREW MOUNT, POSITIVE LOCK 3 = SINGLE ROW W/PEGS, POSITIVE LOCK MATERIAL= NYLON, UL 94V-0					RIGHT ANGLE HEADER (SCREW MOUNT) RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE					RIGHT ANGLE HEADER (PEG MOUNT) RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE																														
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