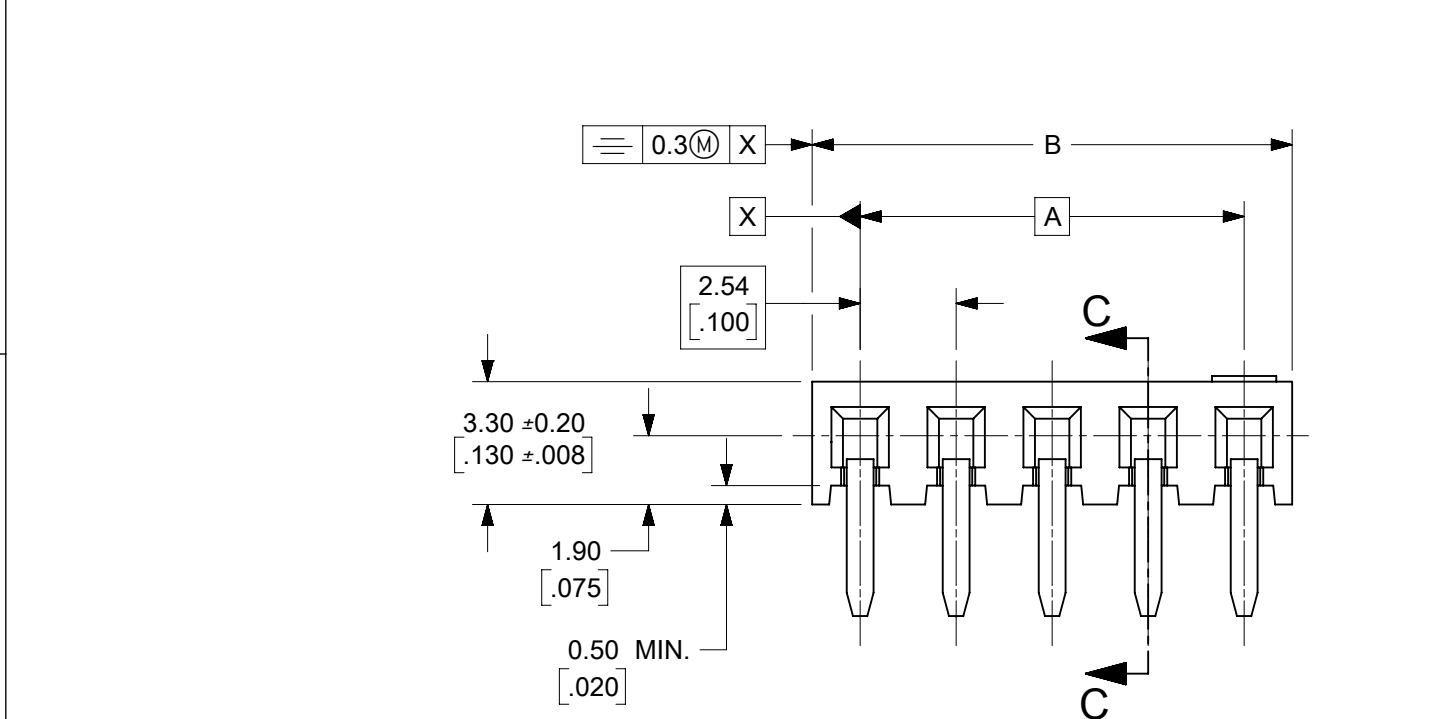
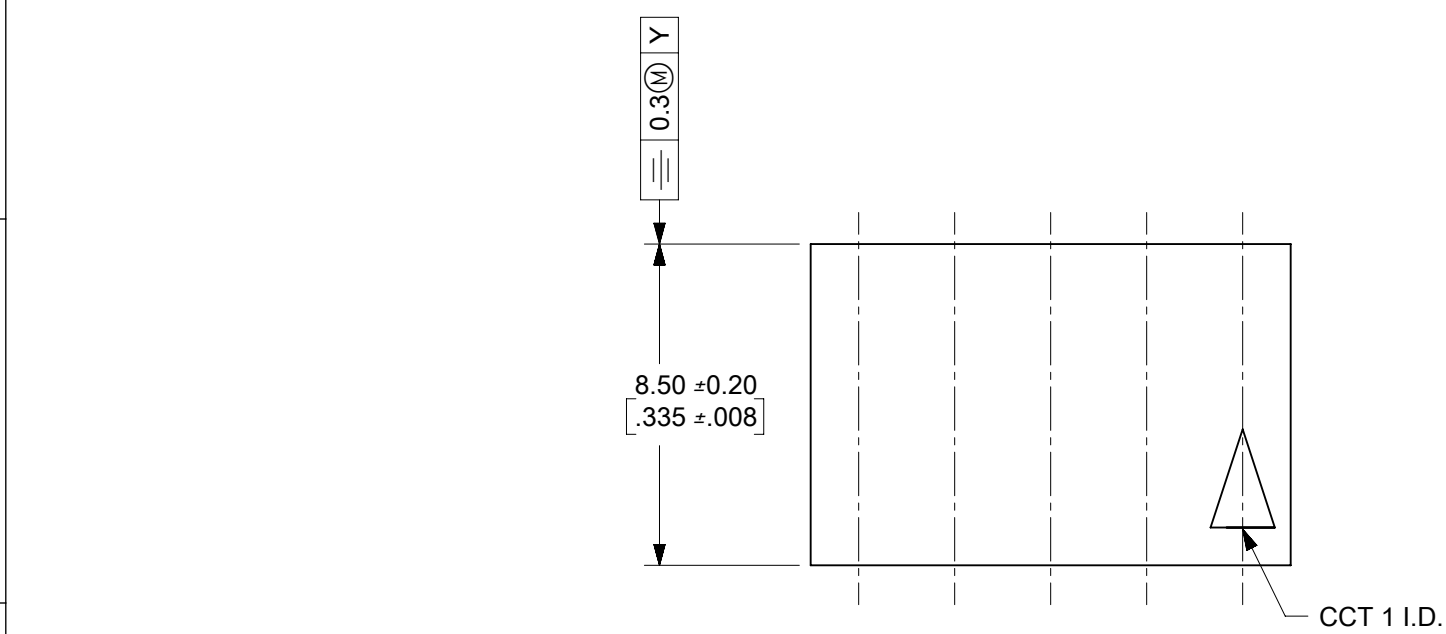
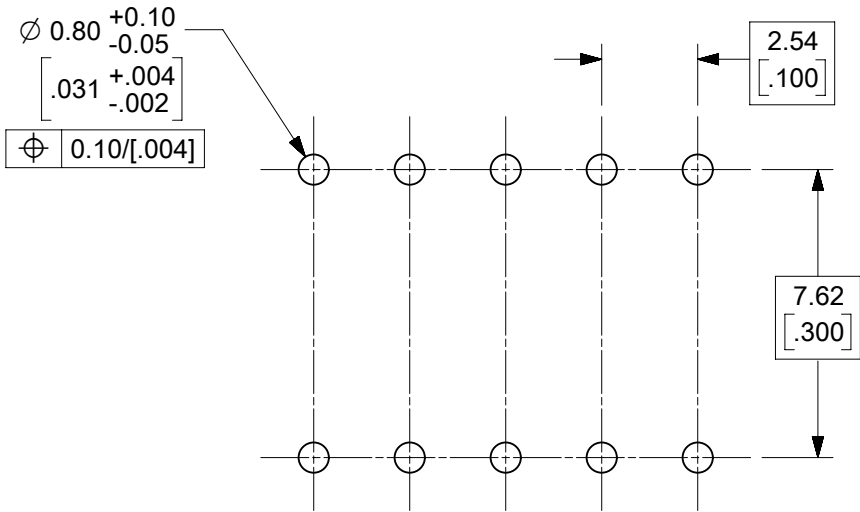
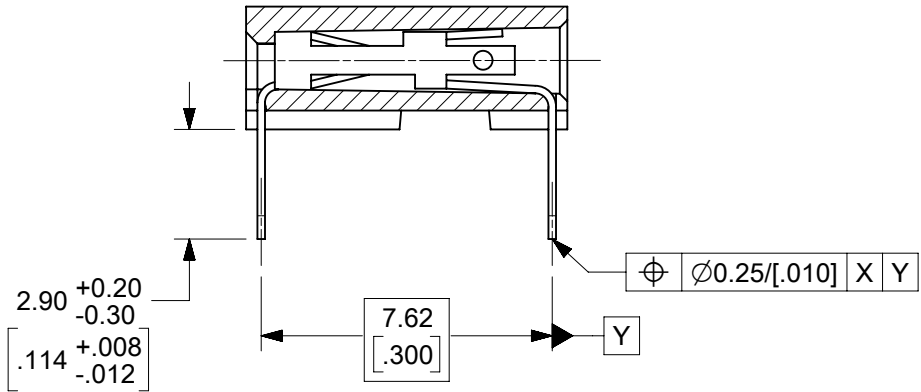




- NOTES:
- CONTACT-PLATED PHOSPHER BRONZE.
(SEE SHEET 2)
 - HOUSING
POLYESTER (PBT), 15% GLASS FILL, UL94-V0.
COLOR: BLACK.
ALSO
POLYAMIDE (PA4/6), 30% GLASS FILL, UL94V-0.
COLOR: NATURAL.
 - FOR 0.635/[.025] SQ. MALE PINS THE
LENGTH MUST BE 5.65/[.222] MIN. &
7.00/[.276] MAX. TO ENSURE GOOD
CONNECTION WITH CONTACT.
 - PRODUCT SPECIFICATION: PS-99020-0001
 - PCB THICKNESS 1.6MM



RECOMMENDED P.C. BOARD HOLE
PATTERN FOR STRAIGHT PINS



SECTION C-C
SHOWING STRAIGHT PINS

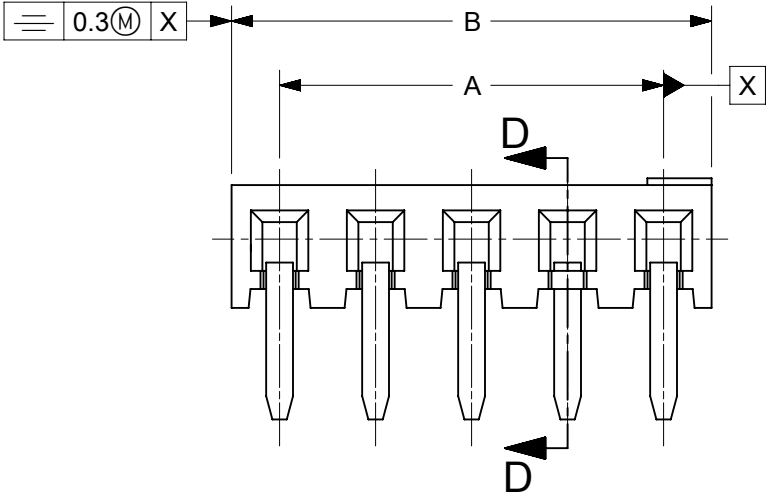
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX			molex C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN.		
MM/INCH		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 613447 DRWN: ABABU01 2019/03/04 CHK'D: NMANE02 2019/03/11 APPR: MRAMAKRISHNA 2019/03/11 INITIAL REVISION: DRWN: DB 1987/07/14 APPR: J.DENNEHY 2010/06/04			PRODUCT CUSTOMER DRAWING		
	MM	INCH							
4 PLACES	±	±							
3 PLACES	±	±							
2 PLACES	± 0.15	±							
1 PLACE	±	±							
0 PLACES	±	±	DOCUMENT NUMBER SDA-90148			DOC TYPE PSD	DOC PART 001	REVISION AK1	
ANGULAR TOL ± 2.0 °									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING B-SIZE	SERIES 90148	MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET	SHEET NUMBER 1 OF 3

<

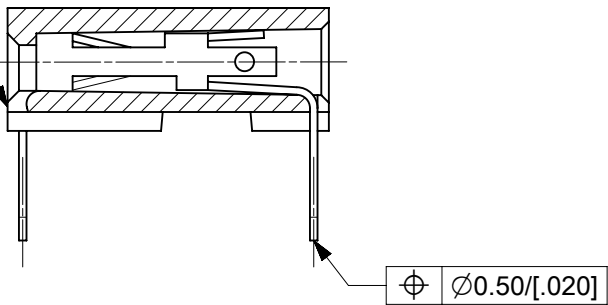
NON-STANDARD PRODUCTS

PART NO.	POLARISED CCT NO.	NO. OF CKTS.	A	$B \begin{smallmatrix} +0 \\ -0.30 \end{smallmatrix}$ $[B \begin{smallmatrix} +.0 \\ -.012 \end{smallmatrix}]$	NO. PER TUBE
90148-3X01	2	3	5.08/[.200]	7.62/[.300]	72

90148 -XXYY
OPTION NUMBER
(NOT RELATING TO CCT SIZE OR OTHERWISE)
PLATING CODE (SEE SHEET 2)
3 = STRAIGHT PINS POLYESTER, POLARISED

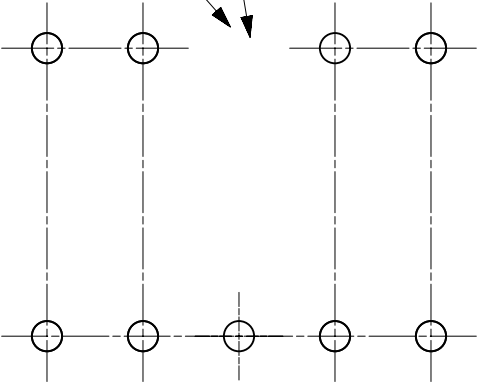


POLARISATION VOIDED CCT ON HSG.
(PIN-IN SIDE)



SECTION C-C
SHOWING POLARISED CCT

POLARISATION VOIDED
CCT ON P.C.B.
(PIN-IN SIDE)
PIN INSERTION TO HOUSING
FROM THIS SIDE



RECOMMENDED P.C. BOARD HOLE
PATTERN FOR STRAIGHT PINS
WITH POLARISATION

NOTES:
1. SEE SHEET 1 FOR ALL UNSPECIFIED DIMENSIONS AND NOTES.
2. PARTS NOT STACKABLE.

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: MIGRATED TO NX				molex							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 613447 DRWN: ABABU01 2019/03/04 CHK'D: NMANE02 2019/03/11 APPR: MRAMAKRISHNA 2019/03/11				C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN.							
ANGULAR TOL ± 2.0 °															
4 PLACES		±		INITIAL REVISION: DRWN: RFC_PLMIMP 2018/10/05 APPR: MWILHITE 2002/03/19				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
3 PLACES		±						SDA-90148		PSD	001	AK1			
2 PLACES		± 0.15		PRODUCT CUSTOMER DRAWING											
1 PLACE		±													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						B-SIZE		90148		SEE TABLE		GENERAL MARKET		3 OF 3	

F

E

D

C

B

A

PART NO's - STRAIGHT PINS		PART NO.	NO OF CKTS.	DIM. A	DIM. B $(\pm \frac{0.30}{32})$	NO. PER TUBE
STANDARD	CUSTOMER SPECIFIC					
90148-1X02		90148-4X02	2	(2.54) .100	(5.08) .200	105
↑ 03	↑	↑ 03	3	(5.08) .200	(7.62) .300	72
04	↓	04	4	(7.62) .300	(10.16) .400	52
05		05	5	(10.16) .400	(12.70) .500	44
06	90148-9X06	06	6	(12.70) .500	(15.24) .600	36
07	↑	07	7	(15.24) .600	(17.78) .700	30
08		08	8	(17.78) .700	(20.32) .800	26
09		09	9	(20.32) .800	(22.86) .900	24
10		10	10	(22.86) .900	(25.40) 1.000	22
11		11	11	(25.40) 1.000	(27.94) 1.100	18
12		12	12	(27.94) 1.100	(30.48) 1.200	18
13		13	13			16
14		14	14	(33.02) 1.300	(35.56) 1.400	14
15		15	15	(35.56) 1.400	(38.10) 1.500	14
16		16	16			13
17		17	17			12
18		18	18	(43.18) 1.700	(45.72) 1.800	12
19		19	19	(45.72) 1.800	(48.26) 1.900	12
20		20	20	(48.26) 1.900	(50.80) 2.000	11
21		21	21			10
22		22	22			10
23		23	23			10
24		24	24			9
25		25	25	(60.96) 2.400	(63.50) 2.500	8
26		26	26	(63.50) 2.500	(66.04) 2.600	8
27		27	27			8
28		28	28			7
29		29	29			7
30		30	30	(73.66) 2.900	(76.20) 3.000	7
↓ 31	↓	↓ 31	31			7
90148-1X32		90148-4X32	32	(78.74) 3.100	(81.28) 3.200	6

PLATING VERSION A

PRE-PLATED HOT DIP TIN
1.0 TO 2.5 microns (.00004" TO .00010").

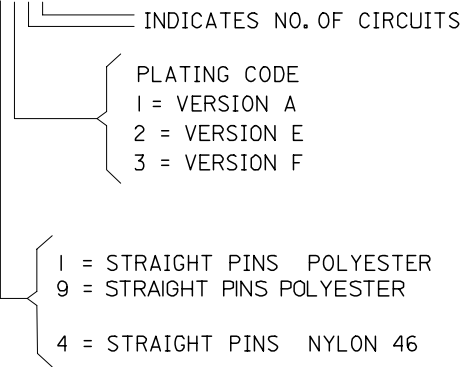
PLATING VERSION E

1.27 TO 1.78 microns (.00005" TO .00007") NICKEL
OVERALL, 0.38 TO 0.64 microns (.000015" TO .000025")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 microns (.00012" TO .00020") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.

1.27 TO 1.78 microns (.00005" TO .00007") NICKEL
OVERALL, 0.76 TO 1.0 microns (.00003" TO .00004")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 microns (.00012" TO .00020") TIN
ON SOLDER TAILS (OVER NICKEL).

90148-XXXX



ADD NEW P/N EC NO: E2007-0823 DRAWN:DBYRNES CHKD: APPR:EOMAHONY AJ	2007/03/29 2007/03/29 2007/04/04 DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			4 PLACES	± ---	mm	INCH	DRAWN BY DB	DATE 1987/07/14	TITLE C-GRID III SINGLE ROW HORIZONTAL P.C. BOARD CONNECTOR			
			3 PLACES	± ---	± ---	± ---	CHECKED BY D.MORIARTY	DATE				
			2 PLACES	± ---	± ---	± ---	APPROVED BY J.DENNEHY	DATE	MOLEX INCORPORATED			
			1 PLACE	± ---	± ---	± ---	MATERIAL NO.	DOCUMENT NO.				
			ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-90148			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 2 OF 3			

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