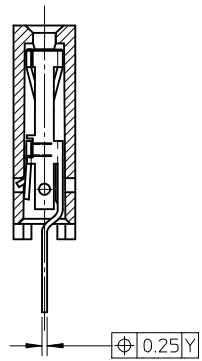


RECOMMENDED P.C. BOARD HOLE PATTERN FOR STRAIGHT PINS.



SECTION C-C SHOWING STRAIGHT PINS.

NOTES:

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER. COLOUR: BLACK.
- 3) 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.
- 4) PRODUCT SPECIFICATION: PS-99020-0001.
- 5) PCB THICKNESS 1.6MM

<b>UPDATE FEATURE CONTROL</b> FRAME NO: S2013-0792 DRW/NAT/SEE 2013/05/09 CH/KD:SKANG 2013/05/15 APPR:MLONG 2013/05/16 REV AD	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION  <b>C-GRID III, SINGLE ROW VERTICAL P.C. BOARD CONNECTOR ASSEMBLY.</b>  <b>molex</b> SDA-90147 SHEET NO. 1 OF 1
	$\nabla F=0$ $\nabla F=0$ $\nabla F=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± ±	MM/IN	NTS	METRIC	
		ANGULAR ± 2 °	DRAWN BY	DATE	TITLE	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY	DATE		
			APPROVED BY	DATE		
		SEE TABLE	MATERIAL NO.	DOCUMENT NO.		

PART NO'S - STRAIGHT PINS	NO. OF CKTS	DIM. "A"	DIM. "B" (+0.00) <sup>0</sup> - .002	QTY. PER TUBE
90147-1X02	2	( 2.54 ) .100	( 5.08 ) .200	105
03	3	( 5.08 ) .200	( 7.62 ) .300	72
04	4	( 7.62 ) .300	( 10.16 ) .400	52
05	90147-9105	( 10.16 ) .400	( 12.70 ) .500	44
06	6	( 12.70 ) .500	( 15.24 ) .600	36
07	7	( 15.24 ) .600	( 17.78 ) .700	30
08	8	( 17.78 ) .700	( 20.32 ) .800	26
09	9	( 20.32 ) .800	( 22.86 ) .900	22
10	10	( 22.86 ) .900	( 25.40 ) 1.000	22
11	11	( 25.40 ) 1.000	( 27.94 ) 1.100	20
12	12	( 27.94 ) 1.100	( 30.48 ) 1.200	18
13	13	( 30.48 ) 1.200	( 33.02 ) 1.300	16
14	14	( 33.02 ) 1.300	( 35.56 ) 1.400	14
15	15	( 35.56 ) 1.400	( 38.10 ) 1.500	14
16	16	( 38.10 ) 1.500	( 40.64 ) 1.600	13
17	17	( 40.64 ) 1.600	( 43.18 ) 1.700	13
18	18	( 43.18 ) 1.700	( 45.72 ) 1.800	12
19	19	( 45.72 ) 1.800	( 48.26 ) 1.900	12
20	20	( 48.26 ) 1.900	( 50.80 ) 2.000	11
21	21	( 50.80 ) 2.000	( 53.34 ) 2.100	11
22	22	( 53.34 ) 2.100	( 55.88 ) 2.200	10
23	23	( 55.88 ) 2.200	( 58.42 ) 2.300	9
24	24	( 58.42 ) 2.300	( 60.96 ) 2.400	9
25	25	( 60.96 ) 2.400	( 63.50 ) 2.500	8
26	26	( 63.50 ) 2.500	( 66.04 ) 2.600	8
27	27	( 66.04 ) 2.600	( 68.58 ) 2.700	8
28	28	( 68.58 ) 2.700	( 71.12 ) 2.800	7
29	29	( 71.12 ) 2.800	( 73.66 ) 2.900	7
30	30	( 73.66 ) 2.900	( 76.20 ) 3.000	7
31	31	( 76.20 ) 3.000	( 78.74 ) 3.100	7
90147-1X32	32	( 78.74 ) 3.100	( 81.28 ) 3.200	6

PLATING VERSION A

PRE-PLATED HOT DIP TIN  
1.0 TO 2.5 um (.000040" TO .000100").

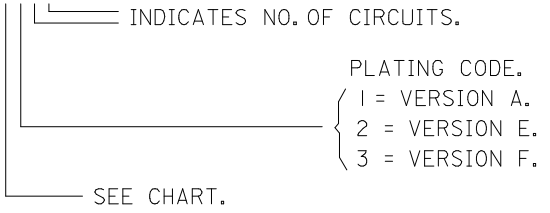
PLATING VERSION E

1.27 TO 1.78 um (.000050" TO .000070") NICKEL  
OVERALL, 0.38 TO 0.64 um (.000015" TO .000025")  
GOLD ON CONTACT AREA (OVER NICKEL).  
3 TO 5 um (.000120" TO .000200") TIN  
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.

1.27 TO 1.78 um (.000050" TO .000070") NICKEL  
OVERALL, 0.76 TO 1.0 um (.000030" TO .000040")  
GOLD ON CONTACT AREA (OVER NICKEL).  
3 TO 5 um (.000120" TO .000200") TIN  
ON SOLDER TAILS (OVER NICKEL).

90147-XXYY



STANDARD PRODUCTS

UPDATE REVISION EC NO: S2013-0792 DRW:ATSEE 2013/05/13 CHKD:SKANG 2013/05/15 APPR:MLONG 2013/05/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	$F_A=0$ $F_G=0$ $F_P=0$	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± ±	mm INCH DRAWN BY DATE DB 1986/12/28 CHECKED BY DATE JDENNEHY 2005/07/07 APPROVED BY DATE JDENNEHY 2005/07/07	TITLE	C-GRID III SINGLE ROW VERTICAL P.C. BOARD CONNECTOR		
	ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
	AC	REV	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			