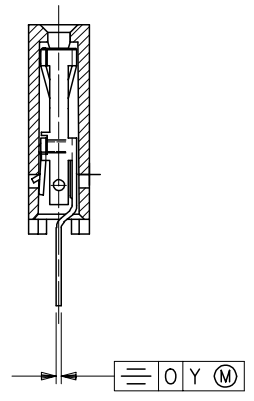


RECOMMENDED P.C. BOARD  
HOLE PATTERN  
FOR STRAIGHT PINS.



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

ADDE NOTE 4 & 5 EC NO: E2008-0119 DRWN:DBYRNES CHKD: APPR:EOMAHONY	2007/09/10	2007/09/10
	2007/09/10	2007/09/10
	2007/09/10	2007/09/10
	2007/09/10	2007/09/10

QUALITY SYMBOLS	DESCRIPTION
▽=0	
▽C=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± ---	± ---
1 PLACE ± ---	± ---
ANGULAR ± 2 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
DB	1987/07/14
CHECKED BY	DATE
JDENNEHY	2005/07/07
APPROVED BY	DATE
JDENNEHY	2005/07/07
MATERIAL NO.	
SEE SHEET 2	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	☉ □
C-GRID III, SINGLE ROW VERTICAL P.C. BOARD CONNECTOR ASSEMBLY.		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SDA-90147	1 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

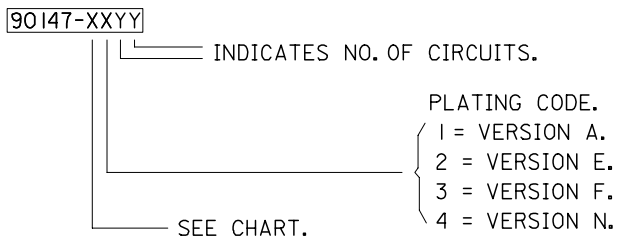
PART NO'S - STRAIGHT PINS	NO. OF CKTS	DIM. "A"	DIM. "B" (±.000)±.002	QTY. PER TUBE
90147-1X02	2	( 2.54 ) .100	( 5.08 ) .200	105
↑ 03	3	( 5.08 ) .200	( 7.62 ) .300	72
04	4	( 7.62 ) .300	( 10.16 ) .400	52
05	5	( 10.16 ) .400	( 12.70 ) .500	44
06	6	( 12.70 ) .500	( 15.24 ) .600	36
07	7	( 15.24 ) .600	( 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
90147-1X 32	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).

PLATING VERSION N.  
1.27 TO 1.78 um (.000050" TO .000070") NICKEL  
OVERALL, 0.76 TO 2.6 um (.000030" TO .000100")  
GOLD ON CONTACT AREA (OVER NICKEL),  
4 um (.000120") MINIMUM TIN  
ON SOLDER TAILS (OVER NICKEL).



STANDARD PRODUCTS

REMOVE KINK OPT  
EC NO: E2007-0787  
DRWN: WASZKI EWI CZ 2007/04/25  
CHKD: DMORARTY 2007/04/25  
APPR: DENNEHY 2007/04/27

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM/IN

DRAWN BY DATE  
DB 1986/12/28

CHECKED BY DATE  
JDENNEHY 2005/07/07

APPROVED BY DATE  
JDENNEHY 2005/07/07

MATERIAL NO.

SIZE  
A3

SCALE  
5:1

DESIGN UNITS  
METRIC

THIRD ANGLE PROJECTION

TITLE  
C-GRID III SINGLE ROW  
VERTICAL P.C. BOARD  
CONNECTOR

MOLEX INCORPORATED

DOCUMENT NO.  
SDA-90147

SHEET NO.  
2 OF 2

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