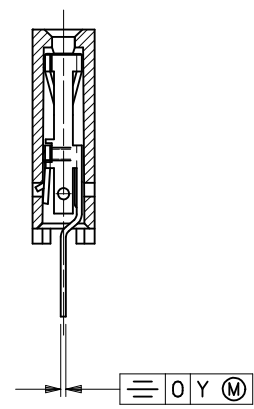


RECOMMENDED P.C. BOARD HOLE PATTERN FOR STRAIGHT PINS.



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

ADDED GATE AREA EC NO: E2009-0250 2008/12/08 DRWN: BMAGUIRE 2008/12/08 CHKD: 2008/12/08 APPR: BMAGUIRE 2008/12/08	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		$\nabla = 0$ $\nabla C = 0$	mm      INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± 2 °	MM/IN	1:1	METRIC	DRAWN BY: DB      DATE: 1987/07/14 CHECKED BY: JDENNEHY      DATE: 2005/07/07 APPROVED BY: JDENNEHY      DATE: 2005/07/07	TITLE
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 2	MATERIAL NO. SDA-90147	DOCUMENT NO. SDA-90147	SHEET NO. 1 OF 2	C-GRID III, SINGLE ROW VERTICAL P.C. BOARD CONNECTOR ASSEMBLY. MOLEX INCORPORATED	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SIZE A3					

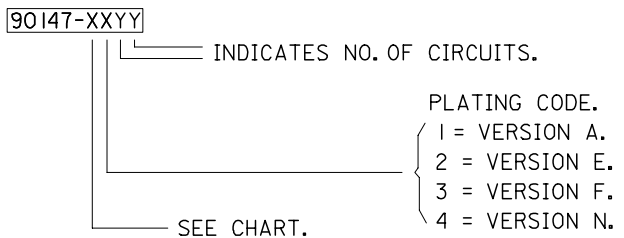
PART NO'S - STRAIGHT PINS		NO. OF CKTS	DIM. "A"	DIM. "B" ( $\pm 0.00$ ) $\pm 0.02$	QTY. PER TUBE
STANDARD	CUSTOMER SPECIFIC				
90147-1X02		2	( 2.54 ) .100	( 5.08 ) .200	105
03		3	( 5.08 ) .200	( 7.62 ) .300	72
04		4	( 7.62 ) .300	( 10.16 ) .400	52
05	90147-9105	5	( 10.16 ) .400	( 12.70 ) .500	44
06		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
90147-1X32		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).

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	± .005	± .0005
3 PLACES	± .005	± .0005
2 PLACES	± .005	± .0005
1 PLACE	± .005	± .0005

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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