



Distributor of Molex Connector Corporation: Excellent Integrated System Limited
Datasheet of 90148-1206 - Connector Receptacle 6 Position 0.100" (2.54mm) Gold Through
Hole, Right Angle

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Excellent Integrated System Limited

Stocking Distributor

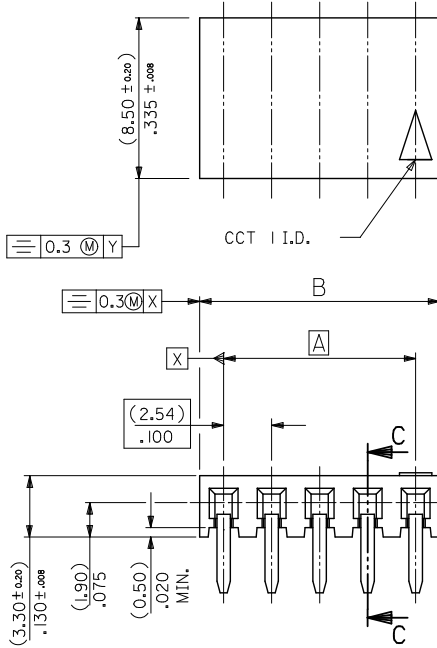
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[90148-1206](#)

For any questions, you can email us directly:

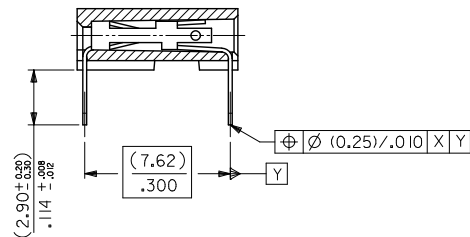
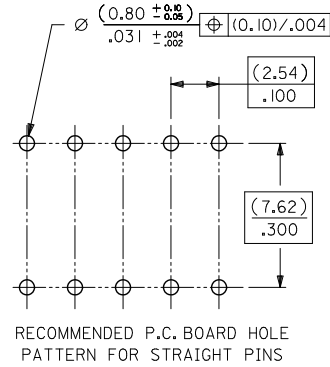
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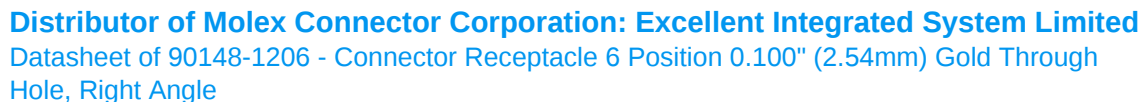
NOTES

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
(SEE SHEET 2)
- 2) HOUSING
POLYESTER (PBT), 15% GLASS FILL, UL94-V0.
COLOR: BLACK.
ALSO
POLYAMIDE (PA4/6), 30% GLASS FILL, UL94-V0.
COLOR: NATURAL.
- 3) FOR (0.635)/.025 SO. 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



**SECTION C-C SHOWING
STRAIGHT PINS**

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	MM ONLY	DATE			
AK	UPDATE TOL SYMMETRY	√=0	4 PLACES ± ---	± ---	DRAWN BY DB	1987/07/14	NTS	METRIC	C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN.
	EC NO: S2010-0968	√=0	3 PLACES ± ---	± ---	CHECKED BY D. MORIARTY	2005/03/02			
	DRWNSKANG	√=0	2 PLACES ± 0.15	± ---	APPROVED BY J. DENNEHY	2010/06/04			MOLEX INCORPORATED
	CHKD:AT SEE	√=0	1 PLACE ± ---	± ---	MATERIAL NO.				
	APPR:MLONG		ANGULAR ± 2 °		SEE TABLE				SDA-90148
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 1 OF 3



PART NO's - STRAIGHT PINS		PART NO.	NO OF KCTS.	DIM. A	DIM. B $(\pm \frac{0.30}{2})$	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

1 = STRAIGHT PINS POLYESTER
9 = STRAIGHT PINS POLYESTER
4 = STRAIGHT PINS NYLON 46

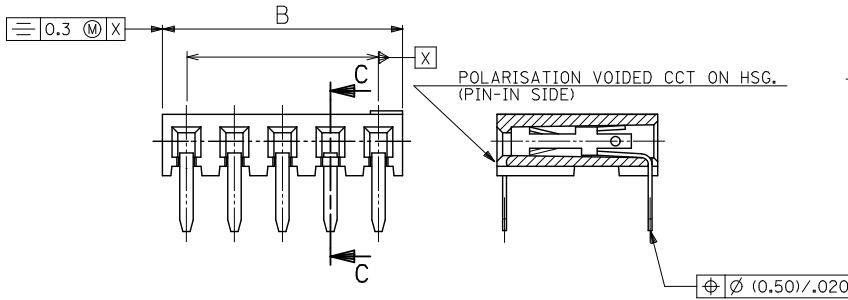
tb_frame_A3_P_AM_T
Rev. F 2009/06/18

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PART NO.	POLARISED CCT NO.	NO. OF CKTS.	DIM. A	DIM. B	$\begin{matrix} \pm 0.30 \\ \pm 0.12 \end{matrix}$	NO. PER TUBE
90148-3X01	2	3	(5.08) .200	(7.62) .300		72

NON-STANDARD PRODUCTS

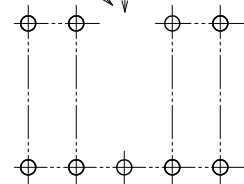
90148-XXYY
 OPTION NUMBER
 (NOT RELATING TO CCT SIZE OR OTHERWISE)
 PLATING CODE (SEE SHEET 2)
 3 = STRAIGHT PINS POLYESTER, POLARISED



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.

UPDATE TOL SYMMETRY EC NO: S2010-0968 2010/05/26 DRW:SKANG CHKD:ATSEE 2010/06/04 APPR:MLONG 2010/06/05	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN. MOLEX INCORPORATED DOCUMENT NO. SDA-90148 SHEET NO. 3 OF 3	
				mm	INCH	DRAWN BY DB	DATE 1987/07/14				
			 =0	4 PLACES ± ---	± ---	CHECKED BY D. MORIARTY	DATE 2005/03/02				
			 =0	3 PLACES ± ---	± ---	APPROVED BY J. DENNEHY	DATE 2010/06/04				
			 =0	2 PLACES ± 0.15	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
				1 PLACE ± ---	± ---						
			ANGULAR ± 2 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE		MOLEX INCORPORATED		
			REV		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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PART NO's - STRAIGHT PINS		PART NO.	NO OF CKTS.	DIM. A		DIM. B $\left(\begin{smallmatrix} +.010 \\ -.002 \end{smallmatrix}\right)$	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-XXYY

INDICATES NO. OF CIRCUITS

PLATING CODE
1 = VERSION A
2 = VERSION E
3 = VERSION F

1 = STRAIGHT PINS POLYESTER
9 = STRAIGHT PINS POLYESTER
4 = STRAIGHT PINS NYLON 46

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

ADD NEW P/N
EC NO: E2007-0823
DRAWN BY: 2007/03/28
CHKD: 2007/03/29
APPROVED BY: 2007/04/04
AJ