



Distributor of Molex Connector Corporation: Excellent Integrated System Limited
Datasheet of 90148-1112 - Connector Receptacle 12 Position 0.100" (2.54mm) Tin Through
Hole, Right Angle

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

Excellent Integrated System Limited

Stocking Distributor

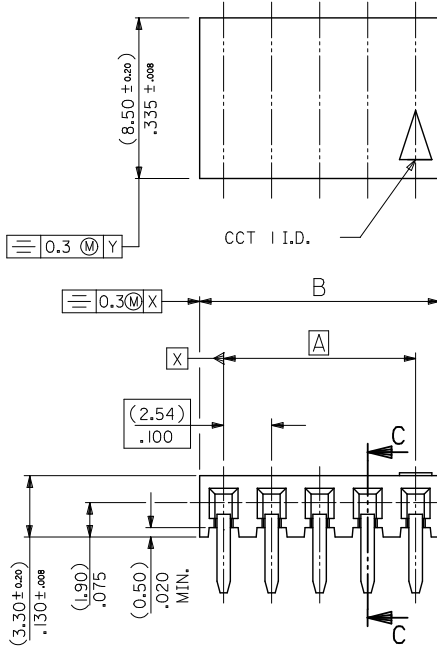
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[90148-1112](#)

For any questions, you can email us directly:

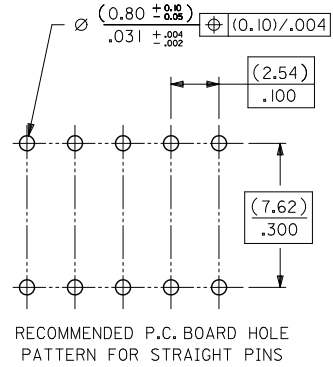
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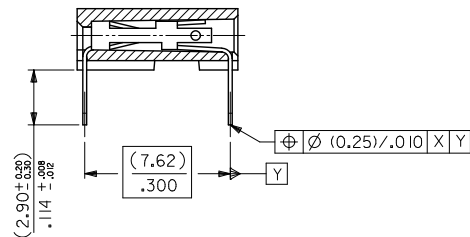


NOTES

- 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) ± 0.025 S.O. MALE PINS THE
LENGTH MUST BE (5.65) ± 0.222 MIN &
(7.00) ± 0.276 MAX. TO ENSURE GOOD
CONNECTION WITH CONTACT.
- 4) PRODUCT SPECIFICATION: PS-99020-0001
- 5) PCB THICKNESS 1.6MM



RECOMMENDED P.C. BOARD HOLE
PATTERN FOR STRAIGHT PINS



SECTION C-C SHOWING
STRAIGHT PINS

UPDATE TOL SYMMETRY		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO.	DATE	DESCRIPTION	SYMBOL	MM	INCH	MM ONLY	DATE	NTS	DATE	METRIC	DATE	DATE	DATE
EC NO: S2010-0968	2010/05/26	DRWNSKANG	√=0	4 PLACES	± ---	± ---	DB	1987/07/14					
CHKD:AT SEE	2010/06/04	APPR:MLONG	√=0	3 PLACES	± ---	± ---	CHECKED BY	DATE					
			√=0	2 PLACES	± 0.15	± ---	D. MORIARTY	2005/03/02					
			√=0	1 PLACE	± ---	± ---	APPROVED BY	DATE					
				ANGULAR ± 2 °			J. DENNEHY	2010/06/04					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.						
							SEE TABLE						
							SIZE						
							A3						
							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 $\left(\begin{smallmatrix} +0.30 \\ -0.25 \end{smallmatrix} \right)$		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-XXXX

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

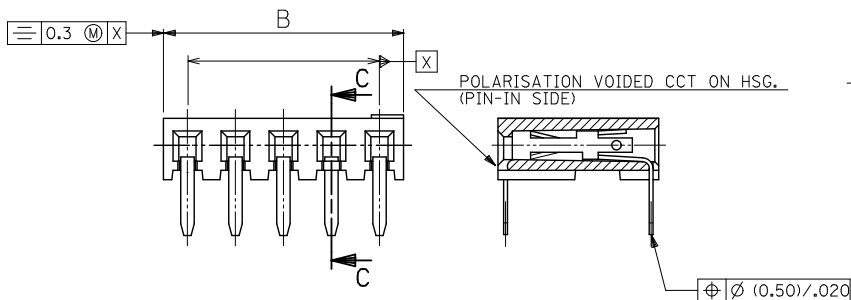
UPDATE TOL SYMMETRY EC NO. S2010-0968 DRWNS:SKMG CHKD:ATSEE APPR:HLONG AK	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION 2010/05/26 2010/05/04 2010/06/04 2010/06/05	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY DATE	TITLE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

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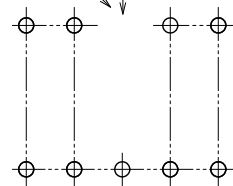
PART NO.	POLARISED CCT NO.	NO. OF CKTS.	DIM. A	DIM. B	$\begin{matrix} \pm 0.30 \\ \pm 0.12 \end{matrix}$	NO. PER TUBE
90148-3X01	2	3	(5.08) .200	(7.62) .300		72

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 DRWN:SKANG CHKD:ATSEE 2010/06/04 APPR:MLONG 2010/06/05	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY DB		DATE 1987/07/14	TITLE C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN. MOLEX INCORPORATED	
					CHECKED BY D.MORIARTY		DATE 2005/03/02		
					APPROVED BY J.DENNEHY		DATE 2010/06/04		
					MATERIAL NO.		DOCUMENT NO.		
					SEE TABLE		SDA-90148		
AK	NEW		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 3 OF 3

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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
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90148-XXYY

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9 = STRAIGHT PINS POLYESTER

4 = STRAIGHT PINS NYLON 46

ADD NEW P/N EC NO: E2007-0823 DRAWN BY: RNS CHKD: RNS APPR: EDWARDS 2007/03/29 2007/03/29 2007/04/04		QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°		DIMENSION STYLE MM ONLY DRAWN BY DATE DB1987/07/14 CHECKED BY DATE D. MORIARTY APPROVED BY DATE J. DENNEHY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	C-GRID III SINGLE ROW HORIZONTAL P.C. BOARD CONNECTOR MOLEX MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-90148		SHEET NO. 2 OF 3			
				SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							