



Distributor of Molex Connector Corporation: Excellent Integrated System Limited
Datasheet of 90148-1204 - Connector Receptacle 4 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

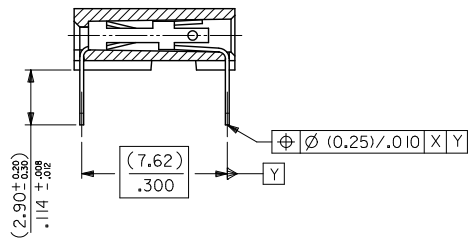
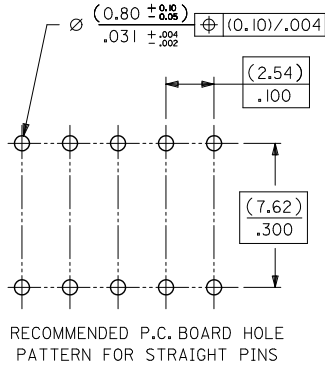
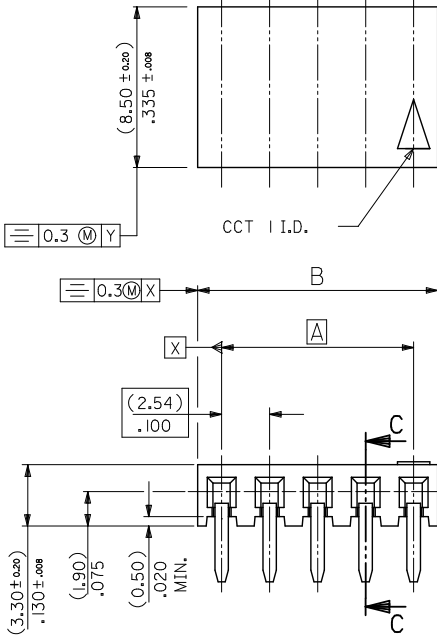
Stocking Distributor

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

[Molex Connector Corporation](#)
[90148-1204](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

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SECTION C-C SHOWING STRAIGHT PINS

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 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

UPDATE TOL SYMMETRY EC NO: S2010-0968 DRAWN/KANG CHKD/AT SEE APPR:MLONG	2010/05/26 2010/06/04 2010/06/05	QUALITY SYMBOLS √=0 √=0 √=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY DB	DATE 1987/07/14	TITLE C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN.			
AK	REV	DESCRIPTION	4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.15 ± ---	1 PLACE ± --- ± ---	ANGULAR ± 2 °	APPROVED BY J. DENNEHY		DATE 2010/06/04
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		DOCUMENT NO. 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's - STRAIGHT PINS		PART NO.	NO OF CKTS.	DIM. A		DIM. B ^(±.30) _(±.25)		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").

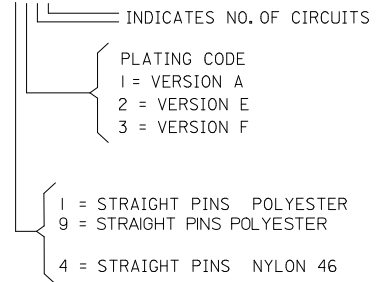
PLATING VERSION E

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



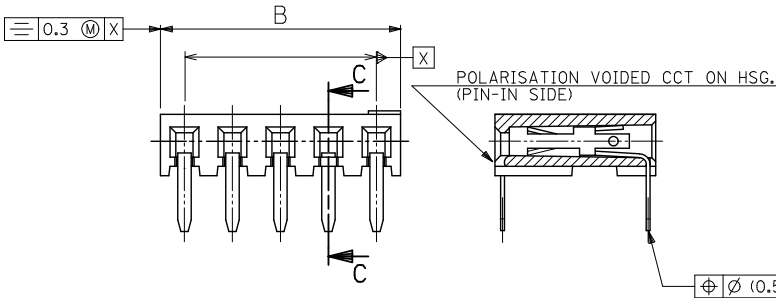
UPDATE TOL. SYMMETRY EC. NO. S2010-0968 DRAWN: SKMG 2010/05/26 CHKD: ATSEE 2010/06/04 APPR: RLONG 2010/06/05 AK	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\sqrt{\text{V}}=0$ $\sqrt{\text{E}}=0$ $\sqrt{\text{F}}=0$	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

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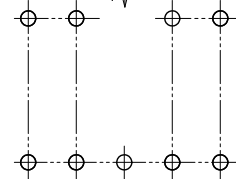
PART NO.	POLARISED CCT NO.	NO. OF CKTS.	DIM. A	DIM. B	$\begin{matrix} \pm 0.30 \\ +0 \\ -0.12 \end{matrix}$	NO. PER TUBE
90148-3X01	2	3	(5.08) .200	(7.62) .300		72

NON-STANDARD PRODUCTS

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



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

SECTION C-C SHOWING POLARISED CCT

NOTES

- SEE SHEET 1 FOR ALL UNSPECIFIED DIMENSIONS AND NOTES.
- PARTS NOT STACKABLE.

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 EC NO: S2010-0968 DRWS:KANG 2010/05/26 CHKD:ATSEE 2010/06/04 APPR:MLONG 2010/06/05	$\nabla \sqrt{\text{---}} = 0$ $\nabla \sqrt{\text{---}} = 0$ $\nabla \sqrt{\text{---}} = 0$	4 PLACES ± ---	± ---	DRAWN BY DB	DATE 1987/07/14	TITLE	C-GRID III SINGLE ROW HORIZONTAL P.C BOARD CONN.	
			3 PLACES ± ---	± ---	CHECKED BY D. MORIARTY	DATE 2005/03/02	MOLEX INCORPORATED		
			2 PLACES ± 0.15	± ---	APPROVED BY J. DENNEHY	DATE 2010/06/04	DOCUMENT NO. SDA-90148	SHEET NO. 3 OF 3	
			1 PLACE ± ---	± ---	MATERIAL NO. SEE TABLE				
			ANGULAR ± 2°		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

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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
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29		29	29					7
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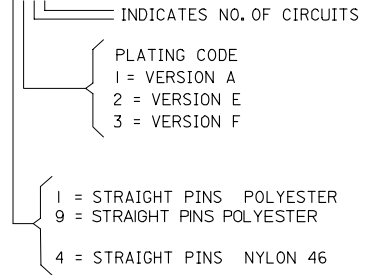
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90148-XXYY



ADD NEW P/N E.C. NO: E2007-0823 DRAWN BY: RINES CHKD: CHKD APPROVED BY: CHKD DATE: 2007/03/29 DATE: 2007/04/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ±---	±---	INCH	DRAWN BY DB	DATE 1987/07/14	TITLE C-GRID III SINGLE ROW HORIZONTAL P.C. BOARD CONNECTOR	
	▽=0	3 PLACES ±---	±---		CHECKED BY D.MORIARTY	DATE	MOLEX INCORPORATED	
		2 PLACES ±---	±---		APPROVED BY J.DENNEHY	DATE	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-90148
		1 PLACE ±---	±---					
		ANGULAR ±---	---					
		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			