

## Excellent Integrated System Limited

Stocking Distributor

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[Molex Connector Corporation](#)

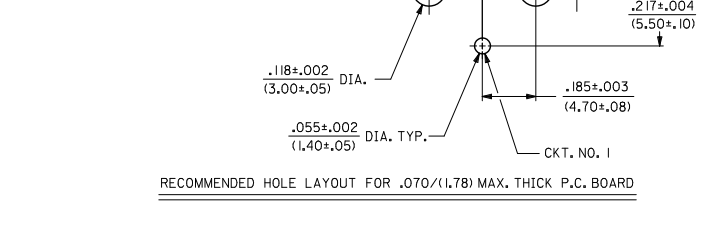
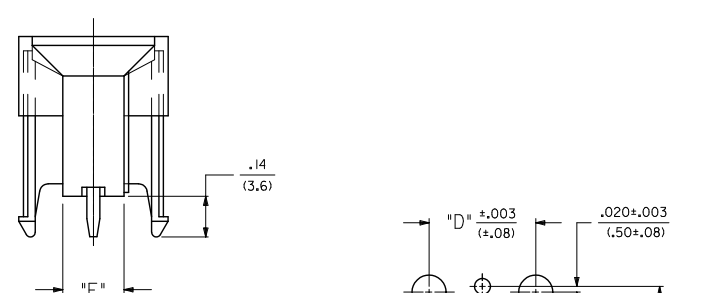
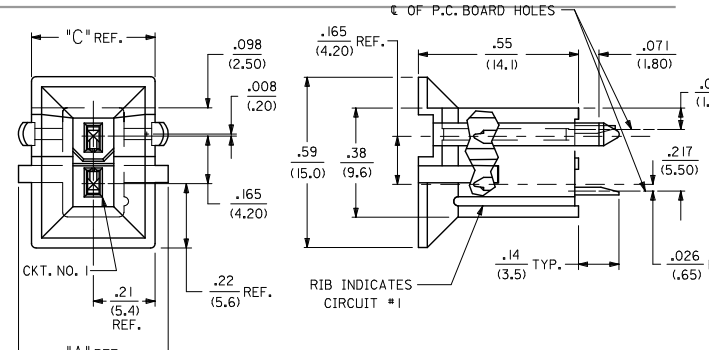
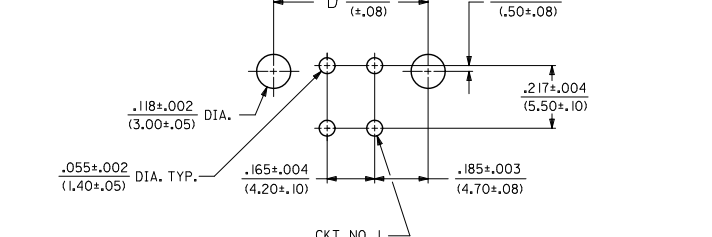
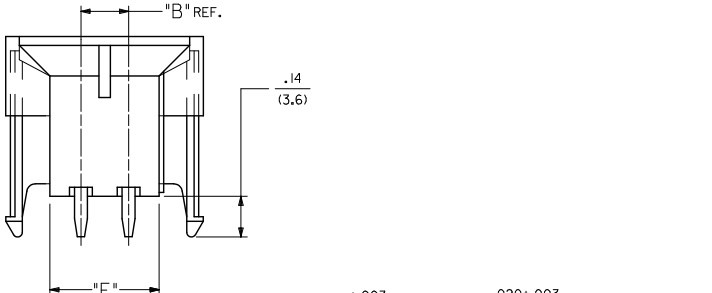
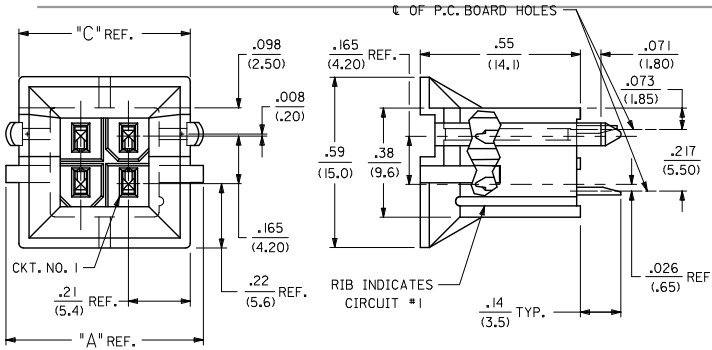
[15-24-6146](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



13 12 11 10 9 8 7 6 5 4 3 2 1



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

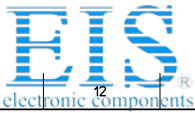
SEE SHEET 1 EC NO: UCP2010-1524 DRAWN: JAGUILAR 2011/01/11 CHKD: BELL 2011/01/11 APPR: SMITH 2011/02/11 Q2	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ± 5°	DIMENSION STYLE IN/MM DRAWN BY DATE GEP 1989/04/06 CHECKED BY DATE RJF 1989/04/06 APPROVED BY DATE F SMITH 2011/02/11	SCALE 1:1 DESIGN UNITS METRIC	THIRD ANGLE PROJECTION MINI-FIT B.M.I. VERTICAL HEADER ASSY WITH DRAIN HOLE OPTION MOLEX INCORPORATED
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-42440-****	SHEET NO. 2 OF 5
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	SIZE C				

12 11 10 9 8 7 6 5 4 3 2 1

NOTES:

- 1) MATERIAL:
  - HOUSING MATERIAL AND OPTIONS:
    - 1 - NYLON 6/6, UL 94V-2, COLOR: NATURAL, WITHOUT DRAIN HOLES
    - 2 - NYLON 6/6, UL 94V-0, COLOR: NATURAL, WITHOUT DRAIN HOLES
    - 3 - NYLON 6/6, UL 94V-2, COLOR: NATURAL, WITH DRAIN HOLES
    - 4 - NYLON 6/6, UL 94V-0, COLOR: NATURAL, WITH DRAIN HOLES
  - TERMINALS: BRASS
- 2) TERMINAL PLATING:
  - S = .000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL
  - GS = .000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL
  - GS3 = .000050/(0.00127) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-5556-002
- 4) PACKAGING: SEE CHARTS
- 5) 6-24 CIRCUIT PARTS MATE WITH MINI-FIT JR. RECEPTACLES #5557 AND HEADERS #42385 AND #42474, 2 AND 4 CIRCUIT PARTS MATE WITH 42385 AND 42474 HEADERS ONLY.
- 6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
- 7) CONNECTOR IS NOT DESIGNED FOR CURRENT SHARING.
- 8) CONNECTOR ASSEMBLIES ARE NOT BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- 9) OPTIONAL RIBS MAY BE FOUND ON PARTS MANUFACTURED AFTER 08/11/1997. RIB LOCATION IS DETERMINED BY MOLD DESIGN FOR MANUFACTURING EASE AND THE LOCATION DOES NOT AFFECT PART FUNCTION OR PERFORMANCE. LOCATION OF RIBS MAY VARY ON PARTS WITHIN MAUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATIONS.
- 10) PARTS MANUFACTURED AFTER 8/15/1997 MAY HAVE REVISED LOCK PEG.
- 11) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION" PS-45499-002.
- △ 12 CIRCUIT PARTS HAVE A SLOT BETWEEN CIRCUITS 7 AND 8.

SEE SHEET 1 EC NO: UCP2010-524 DRWN: JAGUILAR 2011/01/11 CHKD: BELL 2011/01/11 APPR: SMITH 2011/02/11	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▽=0	mm INCH	IN/MM	1:1	METRIC		
		▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	MINI-FIT B.M.I. VERTICAL HEADER ASSY WITH DRAIN HOLE OPTION			
		▽=0	3 PLACES ± --- ± .010	GEP 1989/04/06				
		2 PLACES ± 0.25 ± .015	CHECKED BY DATE	MOLEX INCORPORATED				
		1 PLACE ± 0.38 ± ---	RJF 1989/04/06					
		ANGULAR ± 5 °	APPROVED BY DATE	SDA-42440-**** 3 OF 5				
			FSMITH 2011/02/11					
			MATERIAL NO.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			SEE CHART					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE				
				C				



Distributor of Molex Connector Corporation: Excellent Integrated System Limited

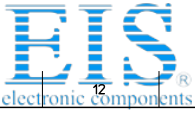
Datasheet of 15-24-6146 - CONN HEADER 14POS 4.2MM VERT TIN

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

PLATING:	TIN (SEE NOTE 2 OPTION 'S')	PLATING:	TIN (SEE NOTE 2 OPTION 'S')	PLATING:	30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS')	PLATING:	30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS')				
DRAINS:	WITHOUT DRAIN HOLES	DRAINS:	WITHOUT DRAIN HOLES	DRAINS:	WITHOUT DRAIN HOLES	DRAINS:	WITHOUT DRAIN HOLES				
PEGS:	WITH PEGS	PEGS:	WITH PEGS	PEGS:	WITH PEGS	PEGS:	WITH PEGS				
MAT'L:	94V-2 [NATURAL]	MAT'L:	94V-0 [NATURAL]	MAT'L:	94V-2 [NATURAL]	MAT'L:	94V-0 [NATURAL]				
PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001				
PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS			
NO EDP	A-42440-021I	-	2	NO EDP	A-42440-022I	-	2	NO EDP	A-42440-022I	-	2
15-24-6041	A-42440-041I	-	4	15-24-6042	A-42440-042I	-	4	15-28-6042	A-42440-042I	-	4
15-24-6061	A-42440-061I	-	6	NO EDP	A-42440-062I	-	6	15-28-6061	A-42440-062I	-	6
NO EDP	A-42440-081I	-	8	NO EDP	A-42440-082I	-	8	NO EDP	A-42440-082I	-	8
15-24-6101	A-42440-101I	-	10	15-24-6102	A-42440-102I	-	10	15-28-6102	A-42440-102I	-	10
15-24-6121	A-42440-121I	-	12	15-24-6122	A-42440-122I	-	12	15-28-6122	A-42440-122I	-	12
15-24-6141	A-42440-141I	-	14	15-24-6142	A-42440-142I	-	14	15-28-6142	A-42440-142I	-	14
15-24-6161	A-42440-161I	-	16	15-24-6162	A-42440-162I	-	16	15-28-6162	A-42440-162I	-	16
15-24-6181	A-42440-181I	-	18	15-24-6182	A-42440-182I	-	18	15-28-6182	A-42440-182I	-	18
NO EDP	A-42440-201I	-	20	NO EDP	A-42440-202I	-	20	NO EDP	A-42440-202I	-	20
NO EDP	A-42440-221I	-	22	NO EDP	A-42440-222I	-	22	NO EDP	A-42440-222I	-	22
15-24-6241	A-42440-241I	-	24	15-24-6242	A-42440-242I	-	24	15-28-6242	A-42440-242I	-	24

PLATING:	TIN (SEE NOTE 2 OPTION 'S')	PLATING:	TIN (SEE NOTE 2 OPTION 'S')	PLATING:	30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS')	PLATING:	30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS')				
DRAINS:	WITH DRAIN HOLES	DRAINS:	WITH DRAIN HOLES	DRAINS:	WITH DRAIN HOLES	DRAINS:	WITH DRAIN HOLES				
PEGS:	WITH PEGS	PEGS:	WITH PEGS	PEGS:	WITH PEGS	PEGS:	WITH PEGS				
MAT'L:	94V-2 [NATURAL]	MAT'L:	94V-0 [NATURAL]	MAT'L:	94V-2 [NATURAL]	MAT'L:	94V-0 [NATURAL]				
PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001				
PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS			
NO EDP	A-42440-023I	-	2	NO EDP	A-42440-024I	-	2	NO EDP	A-42440-024I	-	2
15-24-6046	A-42440-043I	-	4	15-24-6047	A-42440-044I	-	4	15-28-6047	A-42440-044I	-	4
NO EDP	A-42440-063I	-	6	NO EDP	A-42440-064I	-	6	NO EDP	A-42440-064I	-	6
NO EDP	A-42440-083I	-	8	NO EDP	A-42440-084I	-	8	NO EDP	A-42440-084I	-	8
15-24-6106	A-42440-103I	-	10	15-24-6107	A-42440-104I	-	10	15-28-6107	A-42440-104I	-	10
NO EDP	A-42440-123I	-	12	NO EDP	A-42440-124I	-	12	NO EDP	A-42440-124I	-	12
15-24-6146	A-42440-143I	-	14	15-24-6147	A-42440-144I	-	14	15-28-6147	A-42440-144I	-	14
NO EDP	A-42440-163I	-	16	NO EDP	A-42440-164I	-	16	NO EDP	A-42440-164I	-	16
15-24-6186	A-42440-183I	-	18	15-24-6187	A-42440-184I	-	18	15-28-6187	A-42440-184I	-	18
NO EDP	A-42440-203I	-	20	NO EDP	A-42440-204I	-	20	NO EDP	A-42440-204I	-	20
NO EDP	A-42440-223I	-	22	NO EDP	A-42440-224I	-	22	NO EDP	A-42440-224I	-	22
15-24-6246	A-42440-243I	-	24	15-24-6247	A-42440-244I	-	24	15-28-6247	A-42440-244I	-	24

<p><b>SEE SHEET 1</b></p> <p>EC NO: UCP2010-1524</p> <p>DRWN: JAGULAR 2011/01/11</p> <p>CHKD: BELL 2011/01/11</p> <p>APPR: SMITH 2011/02/11</p> <p>Q2</p>	<p>QUALITY SYMBOLS</p> <p>▽=0</p> <p>▽=0</p> <p>▽=0</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <p>mm INCH</p>		<p>DIMENSION STYLE</p> <p>IN/MM</p>		<p>SCALE</p> <p>1:1</p>	<p>DESIGN UNITS</p> <p>METRIC</p>	<p>THIRD ANGLE PROJECTION</p>
		<p>4 PLACES ± --- ± ---</p>		<p>DRAWN BY DATE</p> <p>GEP 1989/04/06</p>		<p>TITLE</p> <p>MINI-FIT B.M.I.</p> <p>VERTICAL HEADER ASSY</p> <p>WITH DRAIN HOLE OPTION</p>		
		<p>3 PLACES ± --- ± .010</p>		<p>CHECKED BY DATE</p> <p>RJF 1989/04/06</p>		<p>MOLEX INCORPORATED</p>		
		<p>2 PLACES ± 0.25 ± .015</p>		<p>APPROVED BY DATE</p> <p>FSMITH 2011/02/11</p>		<p>DOCUMENT NO.</p> <p>SDA-42440-****</p>		
<p>1 PLACE ± 0.38 ± ---</p>		<p>ANGULAR ± 5 °</p>		<p>MATERIAL NO.</p> <p>SEE CHART</p>		<p>SHEET NO.</p> <p>4 OF 5</p>		
<p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>				<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>				



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Datasheet of 15-24-6146 - CONN HEADER 14POS 4.2MM VERT TIN

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

PLATING:	50 MI. SELECT GOLD (SEE NOTE 2 OPTION *GS3*)	PLATING:	50 MI. SELECT GOLD (SEE NOTE 2 OPTION *GS3*)	PLATING:		PLATING:					
DRAINS:	WITHOUT DRAIN HOLES	DRAINS:	WITHOUT DRAIN HOLES	DRAINS:		DRAINS:					
PEGS:	WITH PEGS	PEGS:	WITH PEGS	PEGS:		PEGS:					
MAT'L:	94V-2 [NATURAL]	MAT'L:	94V-0 [NATURAL]	MAT'L:		MAT'L:					
PACKAGING:	TRAY PER PK-42440-001	PACKAGING:	TRAY PER PK-42440-001	PACKAGING:		PACKAGING:					
PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS	PART NO.	ENG NO.	CKTS
NO EDP	A-42440-0213	-	2	NO EDP	A-42440-0223	-	2	NO EDP	-	-	2
NO EDP	A-42440-0413	-	4	NO EDP	A-42440-0423	-	4	NO EDP	-	-	4
NO EDP	A-42440-0613	-	6	NO EDP	A-42440-0623	-	6	NO EDP	-	-	6
NO EDP	A-42440-0813	-	8	NO EDP	A-42440-0823	-	8	NO EDP	-	-	8
NO EDP	A-42440-1013	-	10	NO EDP	A-42440-1023	-	10	NO EDP	-	-	10
NO EDP	A-42440-1213	-	12	NO EDP	A-42440-1223	-	12	NO EDP	-	-	12
NO EDP	A-42440-1413	-	14	NO EDP	A-42440-1423	-	14	NO EDP	-	-	14
NO EDP	A-42440-1613	-	16	NO EDP	A-42440-1623	-	16	NO EDP	-	-	16
NO EDP	A-42440-1813	-	18	NO EDP	A-42440-1823	-	18	NO EDP	-	-	18
NO EDP	A-42440-2013	-	20	NO EDP	A-42440-2023	-	20	NO EDP	-	-	20
NO EDP	A-42440-2213	-	22	NO EDP	A-42440-2223	-	22	NO EDP	-	-	22
NO EDP	A-42440-2413	-	24	NO EDP	A-42440-2423	-	24	NO EDP	-	-	24

<p>ib_frame_C.P.AM.T Rev. F 2009/06/18</p>																													
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<p>QUALITY SYMBOLS ▽=0 ▽=0 ▽=0</p>																													
<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <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>±.010</td> </tr> <tr> <td>2 PLACES</td> <td>±0.25</td> <td>±.015</td> </tr> <tr> <td>1 PLACE</td> <td>±0.38</td> <td>±---</td> </tr> <tr> <td colspan="3">ANGULAR ± 5°</td> </tr> </table>													mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±.010	2 PLACES	±0.25	±.015	1 PLACE	±0.38	±---	ANGULAR ± 5°		
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<p>DIMENSION STYLE IN/MM</p> <table border="1"> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> <tr> <td>GEP</td> <td>1989/04/06</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>RJF</td> <td>1989/04/06</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>FSMITH</td> <td>2011/02/11</td> </tr> </table>												DRAWN BY	DATE	GEP	1989/04/06	CHECKED BY	DATE	RJF	1989/04/06	APPROVED BY	DATE	FSMITH	2011/02/11						
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12	11	10	9	8	7	6	5	4	3	2	1
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