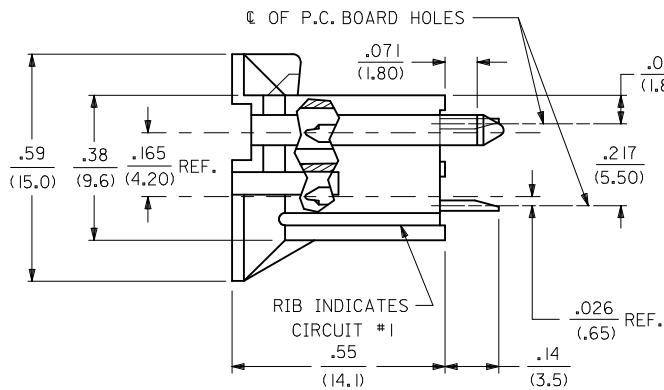
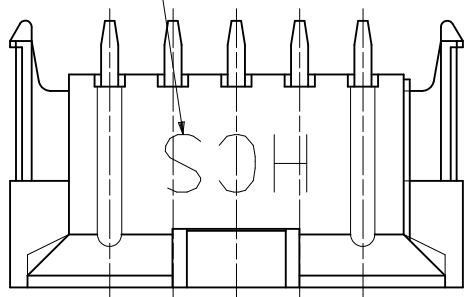
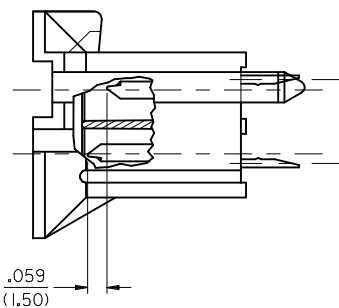
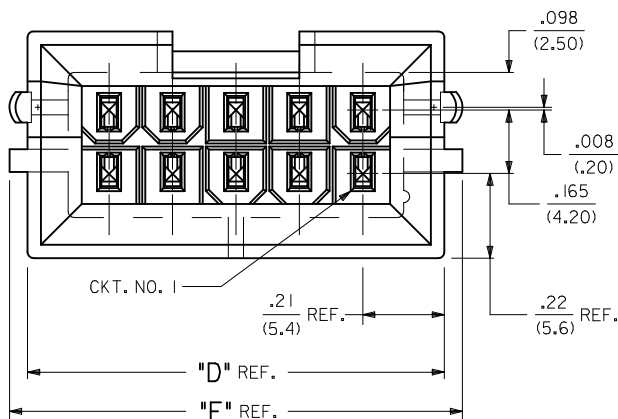


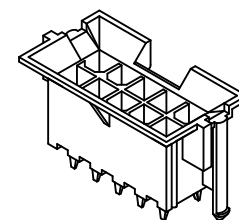
SEE NOTE 10



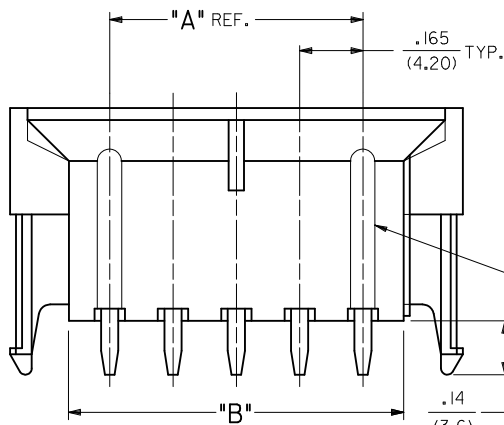
CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
2	—	.21 (5.4)	.370 (9.40)	.425 (10.80)	.520 (13.20)
4	.17 (4.2)	.38 (9.6)	.535 (13.60)	.590 (15.00)	.685 (17.40)
6	.33 (8.4)	.54 (13.8)	.701 (17.80)	.756 (19.20)	.850 (21.60)
8	.50 (12.6)	.71 (18.0)	.866 (22.00)	.921 (23.40)	1.016 (25.80)
10	.66 (16.8)	.87 (22.2)	1.031 (26.20)	1.087 (27.60)	1.181 (30.00)
12	.83 (21.0)	1.04 (26.4)	1.197 (30.40)	1.252 (31.80)	1.346 (34.20)
14	.99 (25.2)	1.20 (30.6)	1.362 (34.60)	1.417 (36.00)	1.512 (38.40)
16	1.16 (29.4)	1.37 (34.8)	1.528 (38.80)	1.583 (40.20)	1.677 (42.60)
18	1.32 (33.6)	1.54 (39.0)	1.693 (43.00)	1.748 (44.40)	1.843 (46.80)
20	1.49 (37.8)	1.70 (43.2)	1.858 (47.20)	1.913 (48.60)	2.008 (51.00)
22	1.65 (42.0)	1.87 (47.4)	2.024 (51.40)	2.079 (52.80)	2.173 (55.20)
24	1.82 (46.2)	2.03 (51.6)	2.189 (55.60)	2.244 (57.00)	2.339 (59.40)



MATE-FIRST/BREAK-LAST DETAIL  
(SEE NOTE 9)



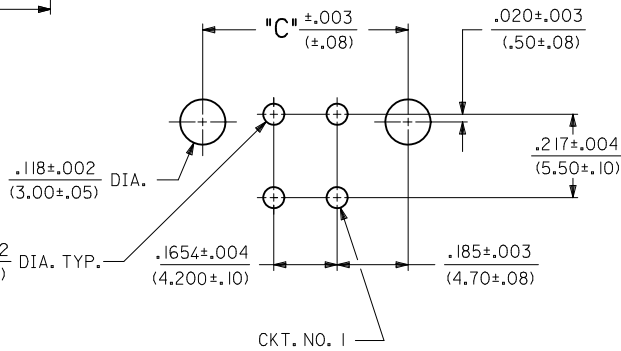
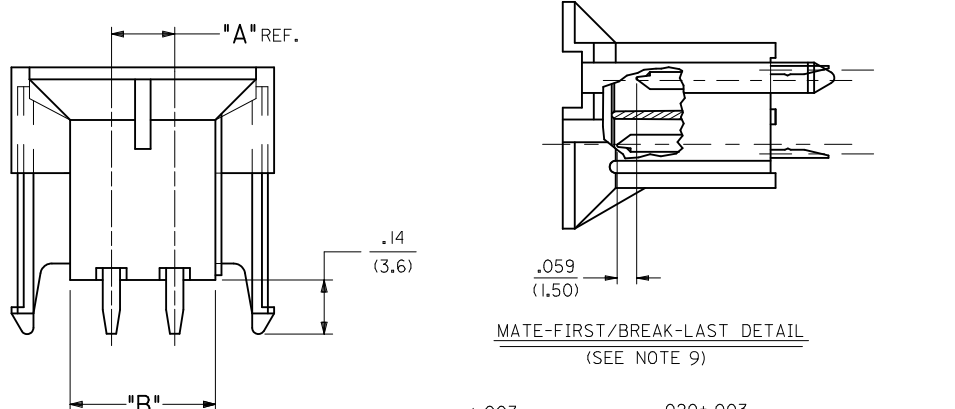
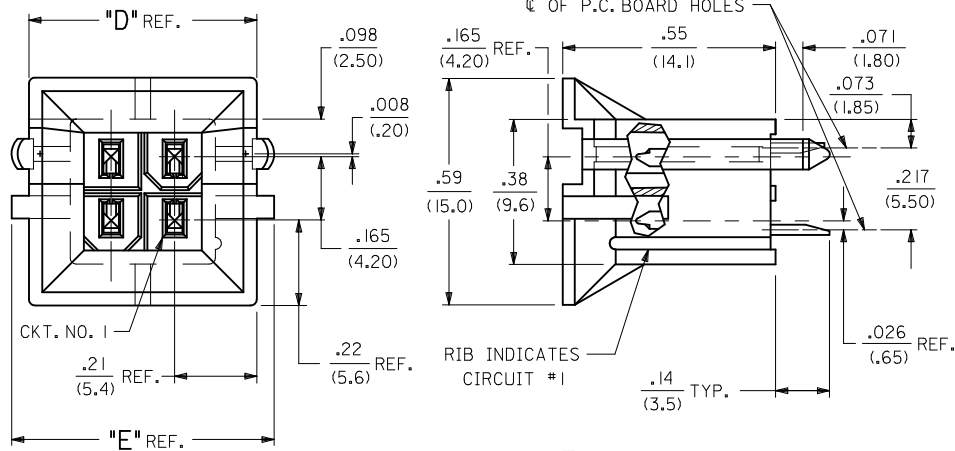
(SCALE: 2X)



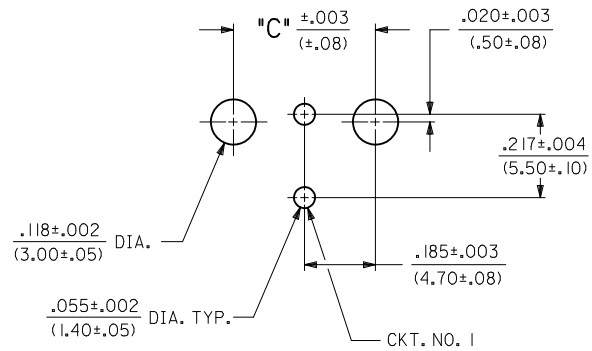
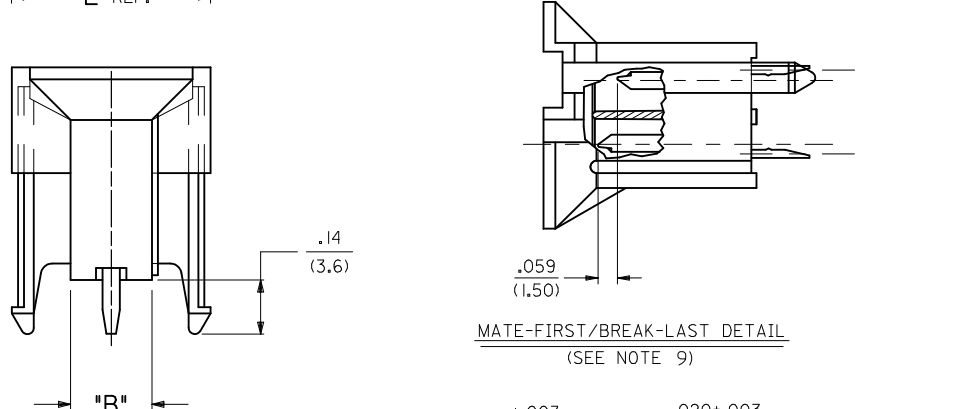
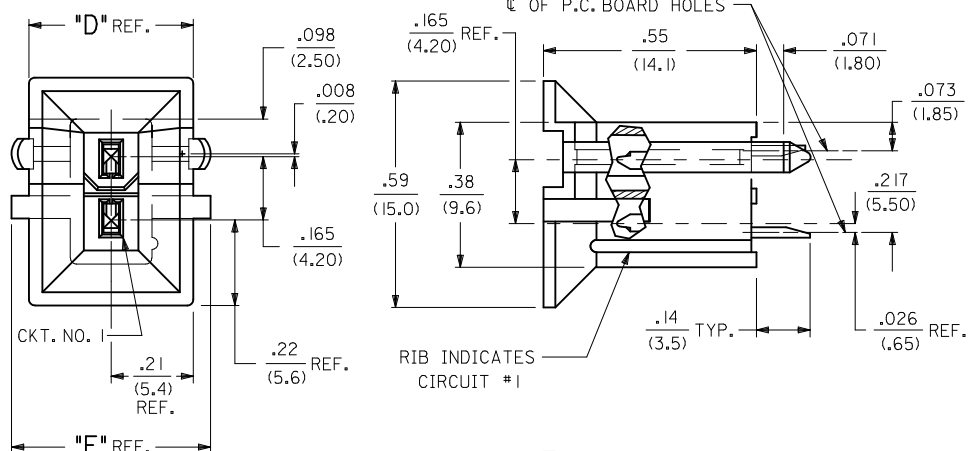
RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

(SCALE: 2X)

<b>CHANGE PLATING</b> EC NO: UCP2012-1560 DR: WANGUYEN 2012/01/18 CHKD: JRELL 2012/01/18 APPR: FSMITH 2012/02/02	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	mm	INCH	DRAWN BY GEP		TITLE VERTICAL HEADER ASSEMBLY MINI-FIT HCS SERIES			
		3 PLACES ± --- ± .010			CHECKED BY RJF					
		2 PLACES ± 0.25 ± .015			APPROVED BY FSMITH		DATE 2011/02/11		MOLEX INCORPORATED	
1 PLACE ± 0.38 ± ---			ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-44474-****		SHEET NO. 1 OF 5	
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							



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




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

<b>SEE SHEET 1</b> EC NO: UCP2012-1560 DRAWING: NGUYEN 2012/01/18 CHKD: J. BELL 2012/01/18 APPR: F. SMITH 2012/02/02	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>IN/MM</b>		SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY GEP	DATE	TITLE <b>VERTICAL HEADER ASSEMBLY          MINI-FIT HCS SERIES</b>			
		3 PLACES ± --- ± .10	CHECKED BY RJF	DATE		MOLEX INCORPORATED			
		2 PLACES ± 0.25 ± .015	APPROVED BY F. SMITH	DATE 2011/02/11	DOCUMENT NO. <b>SDA-44474-****</b>		SHEET NO. <b>2 OF 5</b>		
1 PLACE ± 0.38 ± ---		ANGULAR ±1/2°		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			

**NOTES:**

- 1) HOUSING MAT'L.  
1 = NYLON 6/6, U.L. 94V-2, COLOR: NATURAL  
2 = NYLON 6/6, U.L. 94V-0, COLOR: NATURAL  
TERMINAL MAT'L.: COPPER ALLOY
- 2) TERMINAL PLATING:  
1 = .000100/(.00254) MIN. MATTE TIN  
OVER .000050/(.00127) MIN. NICKEL.
- 3) PRODUCT SPECIFICATION: SEE PS-44476-001.
- 4) PACKAGING:  
1 = TRAY PER PK-42440-001.
- 5) 6-24 CKT. PARTS MATE WITH MINI-FIT JR. RECEPT. 5557, 42474, 44516  
H.C.S. VERT. HEADER 44475, 2 & 4 CKT. DO NOT MATE WITH 5557.
- 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 ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- 8) ITEM NUMBERS PRECEDED BY AN "X" IN THE CHARTS ON THE FOLLOWING  
SHEETS ARE NOT AVAILABLE.
- 9) CIRCUITS SHOWN PROVIDE CUSTOM MATE-FIRST/BREAK-LAST FEATURE.  
SEE CHART ON SHEET SIX FOR ASSEMBLIES WITH ADDITIONAL  
CUSTOM OPTIONS.
- 10) HCS PARTS WILL HAVE "HCS" MARKING
- 11) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
- 12) 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 MANUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATION.
- 13) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

SEE SHEET 1 EC NO: UCP2012-1560 DRW: NGUYEN 2012/01/18 CHKD: BELL 2012/01/18 APPR: FSMITH 2012/02/02	DESCRIPTION REV =0 =0 =0	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY	DATE	TITLE VERTICAL HEADER ASSEMBLY MINI-FIT HCS SERIES		
				4 PLACES ± .010	± .010	GEP	DATE			
				3 PLACES ± .010	± .010	CHECKED BY	DATE	 MOLEX INCORPORATED		
		2 PLACES ± 0.25	± .015	RJF	DATE	DOCUMENT NO.				
		1 PLACE ± 0.38	± .015	APPROVED BY	DATE	SDA-44474-****		3 OF 5		
			ANGULAR ± 1/2°	FSMITH	2011/02/11					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART						
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PLATING:	1 (SEE NOTE 2)		PLATING:	1 (SEE NOTE 2)		PLATING:			PLATING:			PLATING:		
DRAINS:	WITHOUT DRAIN HOLES		DRAINS:	WITHOUT DRAIN HOLES		DRAINS:			DRAINS:			DRAINS:		
PEGS:	WITH PEGS		PEGS:	WITH PEGS		PEGS:			PEGS:			PEGS:		
MAT'L:	94V-2 [NATURAL]		MAT'L:	94V-0 [NATURAL]		MAT'L:			MAT'L:			MAT'L:		
PACKAGING:	TRAY (SEE NOTE 4)		PACKAGING:	TRAY (SEE NOTE 4)		PACKAGING:			PACKAGING:			PACKAGING:		
	ITEM NO.	CKTS		ITEM NO.	CKTS		ITEM NO.	CKTS		ITEM NO.	CKTS		ITEM NO.	CKTS
X	44474-0211	2	X	44474-0221	2									
	44474-0411	4		44474-0421	4									
	44474-0611	6	X	44474-0621	6									
X	44474-0811	8	X	44474-0821	8									
	44474-1011	10		44474-1021	10									
X	44474-1211	12	X	44474-1221	12									
	44474-1411	14		44474-1421	14									
X	44474-1611	16	X	44474-1621	16									
	44474-1811	18		44474-1821	18									
X	44474-2011	20	X	44474-2021	20									
X	44474-2211	22	X	44474-2221	22									
	44474-2411	24		44474-2421	24									

PLATING:			PLATING:			PLATING:			PLATING:			PLATING:		
DRAINS:			DRAINS:			DRAINS:			DRAINS:			DRAINS:		
PEGS:			PEGS:			PEGS:			PEGS:			PEGS:		
MAT'L:			MAT'L:			MAT'L:			MAT'L:			MAT'L:		
PACKAGING:			PACKAGING:			PACKAGING:			PACKAGING:			PACKAGING:		
	ITEM NO.	CKTS		ITEM NO.	CKTS		ITEM NO.	CKTS		ITEM NO.	CKTS		ITEM NO.	CKTS
		2			2			2			2			2
		4			4			4			4			4
		6			6			6			6			6
		8			8			8			8			8
		10			10			10			10			10
		12			12			12			12			12
		14			14			14			14			14
		16			16			16			16			16
		18			18			18			18			18
		20			20			20			20			20
		22			22			22			22			22
		24			24			24			24			24

\* ITEMS PRECEDED BY "X" ARE NOT AVAILABLE  
 ITEMS ON THIS PAGE ARE STANDARD PRODUCT. REFER TO  
 SHEET SIX FOR PRODUCT WITH CUSTOM OPTIONS.

<b>SEE SHEET 1</b> EC NO: UCP2012-1560 2012/01/18 DRW: NGUYEN 2012/01/18 CHKD: J.BELL 2012/02/02 APPR: FSMITH 2012/02/02	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>IN/MM</b>		SCALE	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION																	
		<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> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .010	2 PLACES	± 0.25	± .015	1 PLACE	± 0.38	± ---	DRAWN BY GEP		DATE	TITLE <b>VERTICAL HEADER ASSEMBLY MINI-FIT HCS SERIES</b>			
			mm	INCH																					
		4 PLACES	± ---	± ---																					
3 PLACES	± ---	± .010																							
2 PLACES	± 0.25	± .015																							
1 PLACE	± 0.38	± ---																							
ANGULAR ±1/2°		CHECKED BY RJF		DATE	APPROVED BY FSMITH																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		<b>SEE CHART</b>		MATERIAL NO. DATE 2011/02/11		<b>MOLEX INCORPORATED</b>		DOCUMENT NO. <b>SDA-44474-****</b>																	
				SIZE C		SHEET NO. 4 OF 5		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	

13		12		11		10		9		8		7		6		5		4		3		2		1				
ITEM NO.	CHARACTERISTIC DESCRIPTION	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL NO.	PLATING	
J	44474-5000	I	I	3	I	I	I	I	I	I	I	I	I	3	3	3	-	-	-	-	-	-	-	-	-	* - * = VOID	N/A	
																										* I * = MAKE-FIRST	I	
																										* 3 * = STANDARD	I	
I																												
H																												
G																												
F																												
E																												
D																												
C																												

CHARACTERISTICS LEGEND:  
FOR ASSEMBLIES ON THIS SHEET ONLY

CIRCUIT SIZE: \_\_\_\_\_  
(02-24)

HOUSING MATERIAL AND OPTIONS: \_\_\_\_\_  
 \*1\*=NYLON 6/6, U.L. 94V-2, COLOR: NATURAL.  
 \*2\*=NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.

TERMINAL MATERIAL: \_\_\_\_\_  
 \*A\*= COPPER ALLOY

TERMINAL PLATING (SEE NOTE 2): \_\_\_\_\_  
 \*I\* = MATTE TIN OVER NICKEL

PACKAGING (SEE NOTE 4): \_\_\_\_\_  
 \*I\* = TRAY

SEE SHEET 1 EC NO: UCP2012-1560 DRW: NGUYEN 2012/01/18 CHKD: J.BELL 2012/01/18 APPR: F.SMITH 2012/02/02	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	IN/MM	DRAWN BY DATE	METRIC	VERTICAL HEADER ASSEMBLY MINI-FIT HCS SERIES
	▽=0	4 PLACES ± --- ± ---	GEP	CHECKED BY DATE	TITLE	
	▽=0	3 PLACES ± --- ± .010	RJF	APPROVED BY DATE	MOLEX INCORPORATED	
	▽=0	2 PLACES ± 0.25 ± .015	FSMITH 2011/02/11	MATERIAL NO.	DOCUMENT NO.	
	1 PLACE ± 0.38 ± ---	ANGULAR ± 1/2°	SEE CHART	SDA-44474-****	SHEET NO. 5 OF 5	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		