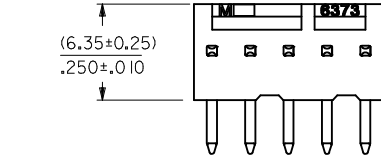
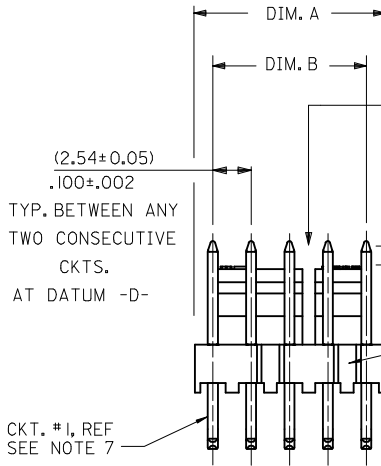


	13	12	11	10	9	8	7	6	5	4	3	2	1
28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25										
27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25										
26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21										
25	(63.50 / 62.99) 2.500 / 2.480	(60.96 ± 0.25) 2.400 ± .010	4 , 5 20 , 21										
24	(60.96 / 60.45) 2.400 / 2.380	(58.42 ± 0.25) 2.300 ± .010	4 , 5 20 , 21										
23	(58.42 / 57.96) 2.300 / 2.282	(55.88 ± 0.23) 2.200 ± .009	4 , 5 20 , 21										
22	(55.88 / 55.42) 2.200 / 2.182	(53.34 ± 0.23) 2.100 ± .009	4 , 5 16 , 17										
21	(53.34 / 52.88) 2.100 / 2.082	(50.80 ± 0.23) 2.000 ± .009	4 , 5 16 , 17										
20	(50.80 / 50.34) 2.000 / 1.982	(48.26 ± 0.23) 1.900 ± .009	4 , 5 16 , 17										
19	(48.26 / 47.80) 1.900 / 1.882	(45.72 ± 0.23) 1.800 ± .009	4 , 5 16 , 17										
18	(45.72 / 45.31) 1.800 / 1.784	(43.18 ± 0.20) 1.700 ± .008	4 , 5 12 , 13										
17	(43.18 / 42.77) 1.700 / 1.684	(40.64 ± 0.20) 1.600 ± .008	4 , 5 12 , 13										
16	(40.64 / 40.23) 1.600 / 1.584	(38.10 ± 0.20) 1.500 ± .008	4 , 5 12 , 13										
15	(38.10 / 37.69) 1.500 / 1.484	(35.56 ± 0.20) 1.400 ± .008	4 , 5 12 , 13										
14	(35.56 / 35.20) 1.400 / 1.386	(33.02 ± 0.18) 1.300 ± .007	4 , 5 8 , 9										
13	(33.02 / 32.66) 1.300 / 1.286	(30.48 ± 0.18) 1.200 ± .007	4 , 5 8 , 9										
12	(30.48 / 30.12) 1.200 / 1.186	(27.94 ± 0.18) 1.100 ± .007	4 , 5 8 , 9										
11	(27.94 / 27.58) 1.100 / 1.086	(25.40 ± 0.18) 1.000 ± .007	4 , 5 8 , 9										
10	(25.40 / 25.04) 1.000 / .986	(22.86 ± 0.15) .900 ± .006	4 , 5										
9	(22.86 / 22.50) .900 / .886	(20.32 ± 0.15) .800 ± .006	4 , 5										
8	(20.32 / 19.96) .800 / .786	(17.78 ± 0.15) .700 ± .006	4 , 5										
7	(17.78 / 17.42) .700 / .686	(15.24 ± 0.13) .600 ± .005	4 , 5										
6	(15.24 / 14.88) .600 / .586	(12.70 ± 0.13) .500 ± .005	4 , 5										
5	(12.70 / 12.40) .500 / .488	(10.16 ± 0.13) .400 ± .005	NONE										
4	(10.16 / 9.86) .400 / .388	(7.62 ± 0.13) .300 ± .005	NONE										
3	(7.62 / 7.32) .300 / .288	(5.08 ± 0.10) .200 ± .004	NONE										
2	(5.08 / 4.78) .200 / .188	(2.54 ± 0.05) .100 ± .002	NONE										



NOTES:

- MATERIAL: NYLON, UL94V-0, COLOR: WHITE
- FINISH:
 (154) = OVERALL TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
 (197) = OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN NICKEL.
 (208) = SELECT GOLD: 0.00038/.000015 MIN, SELECT MATTE TIN: 0.00254/.000100, BOTH OVER 0.00127/.000050 MIN NICKEL.
 (228) = SELECT GOLD: 0.00076/.000030 MIN, SELECT MATTE TIN: 0.00254/.000100, BOTH OVER 0.00127/.000050 MIN NICKEL.
 (241) = SELECT GOLD: 0.00051/.000020 MIN, SELECT MATTE TIN: 0.00254/.000100, BOTH OVER 0.00127/.000050 MIN NICKEL.
- PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
- PACKAGING INFORMATION: SEE LEGEND.
- PARTS ARE STACKABLE END TO END ON (2.54)/.100 CENTERS.
- PIN PUSH OUT FORCE: 2 LBS. MIN.
- CIRCUIT ONE DESIGNATION IS USED TO DEFINE VOID LOCATION.
CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE ON THE MATING HOUSING.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



(1.3) CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN (0.20)/.008 IN ANY DIRECTION

(2.54±0.05) TYP. BETWEEN ANY TWO CONSECUTIVE CKTS. AT DATUM -D-

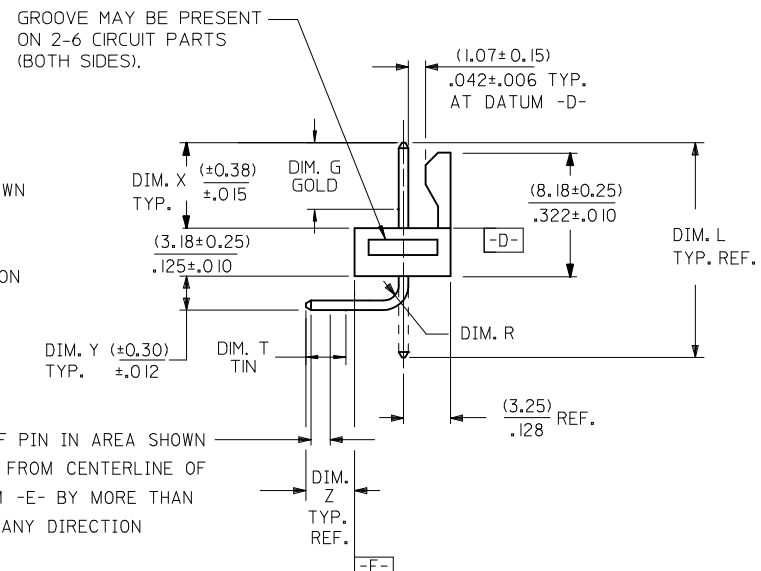
(1.07±0.15) .042±.006 TYP. AT DATUM -D-

(8.18±0.25) .322±.010

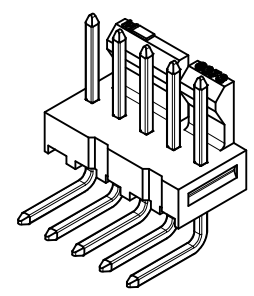
(3.18±0.25) .125±.010

(3.25) REF. .128

(1.02±0.05) .040±.002 DIA. HOLE TYP.



SECONDARY OPERATIONS	
CODE	PACKAGE
BLANK	BULK PK-7478-001
T	TUBE PER PK-44743-001



RECOMMENDED P.C. BOARD HOLE LAYOUT

CKT. #1, REF SEE NOTE 7

A-7478-N***

NO. OF CKTS.

VERSION LETTER CHANGES WHEN PIN NO. OR PRESS DIM. CHANGES

PLATING SEE NOTE 2

NO. OF CKTS.	DIM. A	DIM. B	SLOTS LOC.
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

ADD GATE, CHG PLTG EC NO: UCP2012-1821 DRAWN: MASTROH 2011/12/07 CHKD: HK/PPER 2012/01/03 APPR: F/SMITH 2012/02/02	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 ± 1/2°	DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
				DRAWN BY GUZIC	DATE 1987/07/30	FRICITION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART	MOLEX INCORPORATED		SHEET NO. 1 OF 7
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
J	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. R	DIM. G	DIM. T			
	A-7478-NA222	2766-41(222) OR 4266-0667	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
	A-7478-NA241	4266-0666	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	(4.57) .180	(3.43) .135			
I	A-7478-NA241T	4266-0666	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	(4.57) .180	(3.43) .135			
	A-7478-NA197T	4266-0662	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
H													
G													
F													
E													
D													
C													

A	CHANGE PLATING EC NO: UCP2012-1821 DRAWN: M. STROH 2011/12/09 CHKD: HKL/PPER 2012/01/03 APPR: FSM/LTH 2012/02/02	QUALITY SYMBOLS = 0 = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .100</td> <td>± .004</td> </tr> <tr> <td>3 PLACES</td> <td>± .125</td> <td>± .005</td> </tr> <tr> <td>2 PLACES</td> <td>± .150</td> <td>± .006</td> </tr> <tr> <td>1 PLACE</td> <td>± .200</td> <td>± .008</td> </tr> </table>		mm	INCH	4 PLACES	± .100	± .004	3 PLACES	± .125	± .005	2 PLACES	± .150	± .006	1 PLACE	± .200	± .008	DIMENSION STYLE MM/IN DRAWN BY: GUZIK DATE: 1987/07/10 CHECKED BY: PATEL DATE: 1987/07/10 APPROVED BY: LENZ DATE: 1987/07/10	SCALE --- DESIGN UNITS INCH	THIRD ANGLE PROJECTION	TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG	MOLEX INCORPORATED	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-7478	SHEET NO. 2 OF 7
					mm	INCH																				
				4 PLACES	± .100	± .004																				
				3 PLACES	± .125	± .005																				
2 PLACES	± .150	± .006																								
1 PLACE	± .200	± .008																								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE 	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	
	A-7478-NA222		A-7478-NA241		A-7478-NA241T		A-7478-NA197T							
J	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.
	22-05-302I	A-7478-2A222	22-12-2024	A-7478-2A241	50-29-1710	A-7478-2A241T	50-34-8500	A-7478-2A197T						
	22-05-303I	A-7478-3A222	22-12-2034	A-7478-3A241	50-29-1711	A-7478-3A241T	50-34-8501	A-7478-3A197T						
	22-05-304I	A-7478-4A222	22-12-2044	A-7478-4A241	50-29-1705	A-7478-4A241T	50-34-8502	A-7478-4A197T						
I	22-05-305I	A-7478-5A222	22-12-2054	A-7478-5A241	50-29-1712	A-7478-5A241T								
	22-05-306I	A-7478-6A222	22-12-2064	A-7478-6A241	50-29-1713	A-7478-6A241T								
	22-05-307I	A-7478-7A222	22-12-2074	A-7478-7A241	50-29-1714	A-7478-7A241T								
	22-05-308I	A-7478-8A222	22-12-2084	A-7478-8A241	50-29-1715	A-7478-8A241T								
	22-05-309I	A-7478-9A222	22-12-2094	A-7478-9A241	50-29-1716	A-7478-9A241T								
H	22-05-310I	A-7478-10A222	22-12-2104	A-7478-10A241	50-29-1717	A-7478-10A241T								
	22-05-311I	A-7478-11A222	22-12-2114	A-7478-11A241	50-29-1718	A-7478-11A241T								
	22-05-312I	A-7478-12A222	22-12-2124	A-7478-12A241	50-29-1719	A-7478-12A241T								
	22-05-313I	A-7478-13A222	22-12-2134	A-7478-13A241	50-29-1720	A-7478-13A241T								
	22-05-314I	A-7478-14A222	22-12-2144	A-7478-14A241	50-29-1721	A-7478-14A241T								
G	22-05-315I	A-7478-15A222	22-12-2154	A-7478-15A241	50-29-1722	A-7478-15A241T								
	22-05-316I	A-7478-16A222	22-12-2164	A-7478-16A241	50-29-1723	A-7478-16A241T								
	22-05-317I	A-7478-17A222	22-12-2174	A-7478-17A241	50-29-1724	A-7478-17A241T								
	22-05-318I	A-7478-18A222	22-12-2184	A-7478-18A241	50-29-1725	A-7478-18A241T								
	22-05-319I	A-7478-19A222	22-12-2194	A-7478-19A241	50-29-1726	A-7478-19A241T								
	22-05-320I	A-7478-20A222	22-12-2204	A-7478-20A241	50-29-1727	A-7478-20A241T								
F	22-05-321I	A-7478-21A222	22-12-2214	A-7478-21A241	50-29-1728	A-7478-21A241T								
	22-05-322I	A-7478-22A222	22-12-2224	A-7478-22A241	50-29-1729	A-7478-22A241T								
	22-05-323I	A-7478-23A222	22-12-2234	A-7478-23A241	50-29-1730	A-7478-23A241T								
	22-05-324I	A-7478-24A222	22-12-2244	A-7478-24A241	50-29-1731	A-7478-24A241T								
	22-05-325I	A-7478-25A222	22-12-2254	A-7478-25A241	50-29-1732	A-7478-25A241T								
	22-05-326I	A-7478-26A222	22-12-2264	A-7478-26A241	50-29-1733	A-7478-26A241T								
E	22-05-327I	A-7478-27A222	22-12-2274	A-7478-27A241	50-29-1734	A-7478-27A241T								
	22-05-328I	A-7478-28A222	22-12-2284	A-7478-28A241	50-29-1735	A-7478-28A241T								

CHANGE PLATING EC NO: UCP2012-1821 DRW:MMSTROH 2011/12/09 CHKD:HKIPPER 2012/01/03 APPR:FSMLTH 2012/02/02	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- INCH 3 PLACES ± --- INCH 2 PLACES ± --- INCH 1 PLACE ± --- INCH	4 PLACES ± --- mm 3 PLACES ± --- mm 2 PLACES ± --- mm 1 PLACE ± --- mm	DRAWN BY GUZIK	DATE 1987/07/10	TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG.	
		APPROVED BY LENZ		DATE 1987/07/10	MOLEX INCORPORATED		
		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-7478	SHEET NO. 3 OF 7		

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