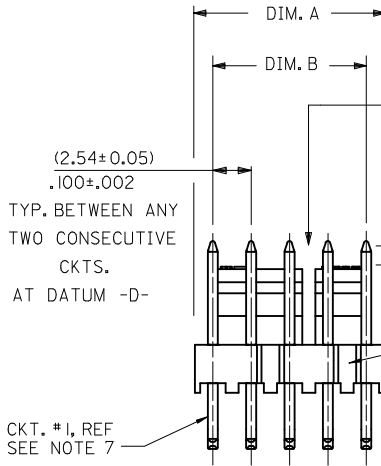
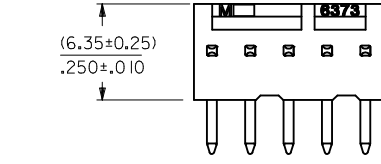


	13	12	11	10	9	8	7	6	5	4	3	2	1
J	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25									
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25									
	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21									
	25	(63.50 / 62.99) 2.500 / 2.480	(60.96 ± 0.25) 2.400 ± .010	4 , 5 20 , 21									
I	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									
H	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									
G	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									
F	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									
E	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									
D	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									
C	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:

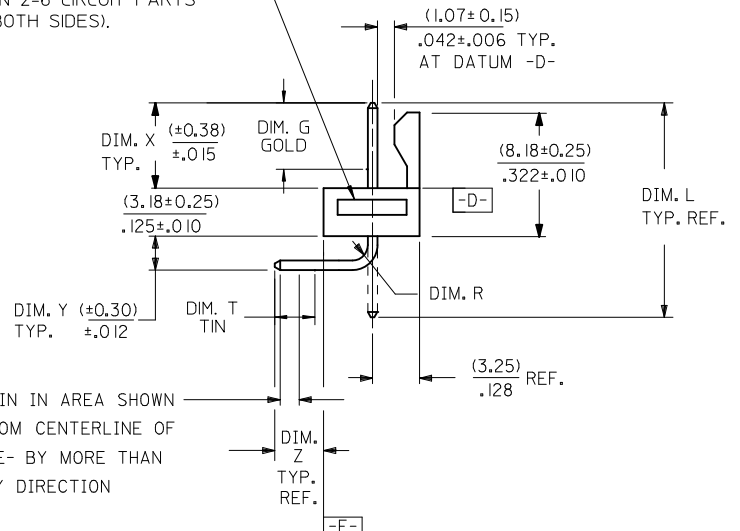
- MATERIAL: NYLON, UL94V-0, COLOR: WHITE
- FINISH:
 (154) = OVERALL TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
 (197) = OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN NICKEL.
 (208) = SELECT GOLD: 0.00038/.000015 MIN, SELECT MATTE TIN: 0.00254/.000100, 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.

SLOTS LOCATED BETWEEN CIRCUITS (SEE CHART)

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

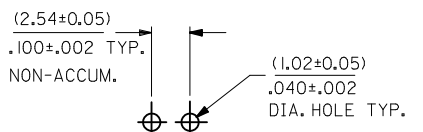
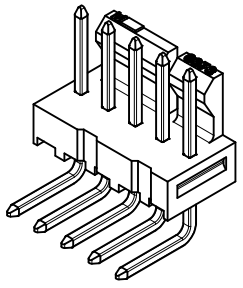
RECESSED GATE MAY BE PRESENT ON 2-25 CKT PARTS. LOCATION VARIES.

GROOVE MAY BE PRESENT ON 2-6 CIRCUIT PARTS (BOTH SIDES).



CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -E- BY MORE THAN (0.13)/.005 IN ANY DIRECTION

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



RECOMMENDED P.C. BOARD HOLE LAYOUT

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

NO. OF CKTS.	DIM. A	DIM. B	SLOTS LOC.
7	AA		
6	AA		
5	AA		
4	AA		
3	AA		
2	AA		
1	AA		
SHT	REV		

ADD GATE, CHG PLTG EC NO: UCP2012-1821 DRWN: MASTROH 2011/12/07 CHKD: HKIPPER 2012/01/03 APPR: FSMITH 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 DRAWN BY DATE GUZIC 1987/07/30 CHECKED BY DATE PATEL 1987/07/30 APPROVED BY DATE LENZ 1987/07/30	SCALE 4:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG	MATERIAL NO. SEE CHART DOCUMENT NO. SDA-7478	SHEET NO. 1 OF 7

	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° .046	(1.17) .046	N/A	OVERALL			
	A-7478-NA241	4266-0666	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90° .046	(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° .046	(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° .046	(1.17) .046	N/A	OVERALL			
H													
G													
F													
E													
D													
C													

A	CHANGE PLATING EC NO: UCP2012-1821 DRAWN: MASTROH 2011/12/09 CHKD: HKLIPPER 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: MASTROH 2011/12/09 CHK: HKL/PPR 2012/01/03 APPR: FSM/LTH 2012/02/02	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- INCH	MM/IN	---	INCH	DRAWN BY DATE GUZIK 1987/07/10 CHECKED BY DATE PATEL 1987/07/10 APPROVED BY DATE LENZ 1987/07/10
	▽=0	3 PLACES ± --- INCH			TITLE	
	▽=0	2 PLACES ± --- INCH				FRICITION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG.
AA	1 PLACE ± --- INCH	ANGULAR ± ---°			MATERIAL NO.	DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		SDA-7478	SHEET NO. 3 OF 7
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			