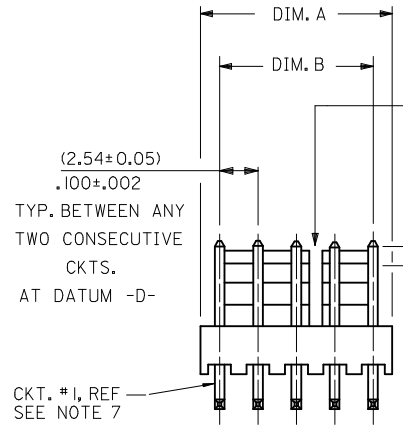
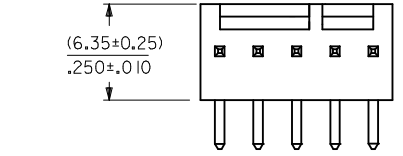


	13	12	11	10	9	8	7	6	5	4	3	2	1
J	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25									
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25									
	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21									
	25	(63.50 / 62.99) 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									
	18	(45.72 / 45.31) 1.800 / 1.784	(43.18 ± 0.20) 1.700 ± .008	4 , 5 12 , 13									
G	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									
F	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									



CTKT. #1, REF SEE NOTE 7

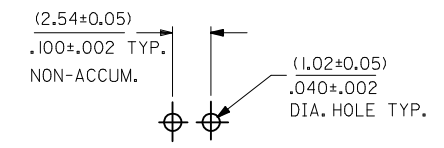
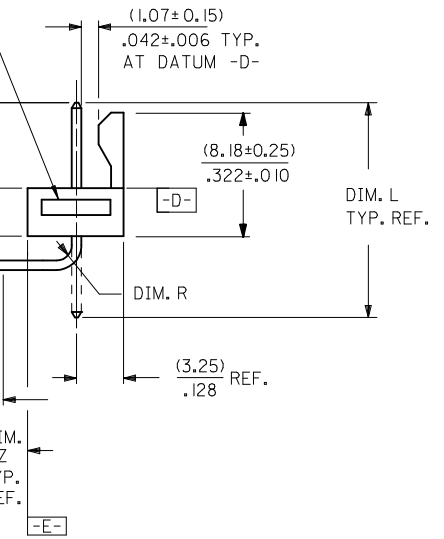
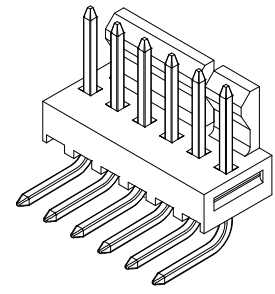
SLOTS LOCATED BETWEEN CIRCUITS (SEE CHART)

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

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

NOTES:

- MATERIAL: NYLON, UL94V-0, COLOR: WHITE
- FINISH:
 - (102) - OVERALL TIN: (0.00508)/.000200 MIN., OVERALL COPPER UNDERPLATE: (0.00254)/.000100 MIN.
 - (154) - OVERALL TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
 - (501) - OVERALL GOLD: (0.00051)/.000020 MIN., OVERALL NICKEL UNDERPLATE: (0.00076)/.000030 MIN.
 - (503) - OVERALL GOLD: (0.00076)/.000030 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
 - (531) - OVERALL GOLD: (0.00038)/.000015 MIN., OVERALL NICKEL UNDERPLATE: (0.00076)/.000030 MIN.
- 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.

A-7478-N***
NO. OF CKTS.
VERSION LETTER CHANGES WHEN PIN NO. OR PRESS DIM. CHANGES

PLATING SEE NOTE 2

7	Y4
6	W1
5	Y8
4	Y7
3	Y9
2	Y9
1	Z
SHT	REV

ADD GROOVE	EC NO: UCP2009-0785	2008/12/29	QUALITY SYMBOLS
DRWN:MKIPPER	2009/01/30		▽=0
CHKD:SSOUSEK	2009/01/30		▽=0
APPR:FSMITH	2009/01/30		
REV			

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	MM/IN
4 PLACES ±	± .010
3 PLACES ±	± .010
2 PLACES ±	± .015
1 PLACE ±	± .038
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SDA-7478

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
4:1	INCH	☉
FRICITION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG		
MOLEX INCORPORATED		
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					
	A-7478-NA503	2766-41(503)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046					
	A-7478-NE102	2766-72(102)	(19.69) .775	(7.62) .300	(3.56) .140	(3.05) .120	90°	(1.17) .046					
I	A-7478-NF102	2766-71(102)	(18.29) .720	(6.73) .265	(2.92±.25) .115±.010	(3.18) .125 REF.	90°	(1.17) .046					
	A-7478-NH102	2766-31(102)	(16.51) .650	(7.49) .295	(2.69) .106	(0.64) .025	90°	(.64) .025					
	A-7478-NM531	2766-3(531)	(17.45) .687	(7.49) .295	(3.63) .143	(0.64) .025	90°	(.64) .025					
H	A-7478-NA154	2766-41 (154)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046					
	A-7478-ANE102	2766-72(102)	(19.69) .775	(7.62) .300	(3.56) .140	(3.05) .120	90°	(1.17) .046					
	A-7478-NM102	2766-3(102)	(17.45) .687	(7.49) .295	(3.63) .143	(.64) .025	90°	(.64) .025					
G	A-7478-NH503	2766-31(503)	(16.51) .650	(7.49) .295	(2.69) .106	(.64) .025	90°	(.64) .025					
	A-7478-NN102	4166-9(102)	(18.69) .736	(6.60) .260	(3.58) .141	(3.05) .120	90°	(1.17) .046					
F	A-7478-NP102	2766-74(102)	(24.89) .980	(6.60) .260	(9.73) .383	(3.05) .120	90°	(1.17) .046					
E													
D													
C													

UPDATE TITLE BLOCK EC NO: UCP2005-1920 DRAWN/ADDER: 2005/03/16 CHK'D/ELHAG: 2005/03/16 APPR'D/SMITH: 2005/03/16 REV: Y7	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																		
		<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <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>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± ---°</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR ± ---°			MM/IN	---	INCH	
		mm	INCH																					
	4 PLACES	± ---	± ---																					
3 PLACES	± ---	± ---																						
2 PLACES	± ---	± ---																						
1 PLACE	± ---	± ---																						
ANGULAR ± ---°																								
	DRAWN BY	DATE	TITLE	FRICION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG. MOLEX INCORPORATED																				
	GUZIK	1987/07/10																						
	CHECKED BY	DATE		MATERIAL NO. SEE CHART DOCUMENT NO. SDA-7478 SHEET NO. 4 OF 7																				
	PATEL	1987/07/10																						
	APPROVED BY	DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
	LENZ	1987/07/10																						

	13	12	11	10	9	8	7	6	5	4	3	2	1		
	A-7478-NA503		A-7478-NE102		A-7478-NF102		A-7478-NH102		A-7478-NM531		A-7478-NA154				
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.	J
	22-12-2026	A-7478-2A503	22-05-8025	A-7478-2E102		A-7478-2F102	S 22-05-8020	A-7478-2H102	S		A-7478-2M531	50-30-4424	A-7478-02A154		
	22-12-2036	A-7478-3A503		A-7478-3E102		A-7478-3F102	S 22-05-8030	A-7478-3H102	S		A-7478-3M531	50-30-4434	A-7478-3A154		
	22-12-2046	A-7478-4A503		A-7478-4E102		A-7478-4F102	S 22-05-8040	A-7478-4H102	S		A-7478-4M531	50-30-4444	A-7478-4A154		
I	22-12-2056	A-7478-5A503	22-05-8055	A-7478-5E102	22-05-9058	A-7478-5F102	S 22-05-8050	A-7478-5H102	S		A-7478-5M531			I	
	22-12-2066	A-7478-6A503		A-7478-6E102		A-7478-6F102	S 22-05-8060	A-7478-6H102	S		A-7478-6M531				
	22-12-2076	A-7478-7A503		A-7478-7E102		A-7478-7F102	S 22-05-8070	A-7478-7H102	S		A-7478-7M531				
	22-12-2086	A-7478-8A503		A-7478-8E102		A-7478-8F102	S 22-05-8080	A-7478-8H102	S		A-7478-8M531				
	22-12-2096	A-7478-9A503		A-7478-9E102		A-7478-9F102	S 22-05-8090	A-7478-9H102	S		A-7478-9M531				
H	22-12-2106	A-7478-10A503		A-7478-10E102		A-7478-10F102	S 22-05-8100	A-7478-10H102	S		A-7478-10M531			H	
	22-12-2116	A-7478-11A503		A-7478-11E102		A-7478-11F102	S 22-05-8110	A-7478-11H102	S		A-7478-11M531				
	22-12-2126	A-7478-12A503		A-7478-12E102		A-7478-12F102	S 22-05-8120	A-7478-12H102	S	22-12-2123	A-7478-12M531				
	22-12-2136	A-7478-13A503		A-7478-13E102		A-7478-13F102	S 22-05-8130	A-7478-13H102	S		A-7478-13M531				
	22-12-2146	A-7478-14A503		A-7478-14E102		A-7478-14F102	S 22-05-8140	A-7478-14H102	S		A-7478-14M531				
	22-12-2156	A-7478-15A503		A-7478-15E102		A-7478-15F102	S 22-05-8150	A-7478-15H102	S		A-7478-15M531				
G	22-12-2166	A-7478-16A503		A-7478-16E102		A-7478-16F102	S 22-05-8160	A-7478-16H102	S		A-7478-16M531			G	
	22-12-2176	A-7478-17A503		A-7478-17E102		A-7478-17F102	S 22-05-8170	A-7478-17H102	S		A-7478-17M531				
	22-12-2186	A-7478-18A503		A-7478-18E102		A-7478-18F102	S 22-05-8180	A-7478-18H102	S		A-7478-18M531				
	22-12-2196	A-7478-19A503		A-7478-19E102		A-7478-19F102	S 22-05-8190	A-7478-19H102	S		A-7478-19M531				
	22-12-2206	A-7478-20A503		A-7478-20E102		A-7478-20F102	S 22-05-8200	A-7478-20H102	S		A-7478-20M531				
F	22-12-2216	A-7478-21A503		A-7478-21E102		A-7478-21F102	S 22-05-8210	A-7478-21H102	S		A-7478-21M531			F	
	22-12-2226	A-7478-22A503		A-7478-22E102		A-7478-22F102	S 22-05-8220	A-7478-22H102	S		A-7478-22M531				
	22-12-2236	A-7478-23A503		A-7478-23E102		A-7478-23F102	S 22-05-8230	A-7478-23H102	S		A-7478-23M531				
	22-12-2246	A-7478-24A503		A-7478-24E102		A-7478-24F102	S 22-05-8240	A-7478-24H102	S		A-7478-24M531				
	22-12-2256	A-7478-25A503		A-7478-25E102		A-7478-25F102	S 22-05-8250	A-7478-25H102	S		A-7478-25M531				
E	22-12-2266	A-7478-26A503		A-7478-26E102		A-7478-26F102	S 22-05-8260	A-7478-26H102	S		A-7478-26M531			E	
	22-12-2276	A-7478-27A503		A-7478-27E102		A-7478-27F102	S 22-05-8270	A-7478-27H102	S		A-7478-27M531				
	22-12-2286	A-7478-28A503		A-7478-28E102		A-7478-28F102	S 22-05-8280	A-7478-28H102	S		A-7478-28M531				

UPDATE PER ECN EC NO: UCP2005-1996 ECN: 2005/03/22 DR: WADERR CHKD: LSCHMI DT 2005/03/24 APPR: FSM TH 2005/03/24 REV: Y8	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	DRAWN BY GUZIK	DATE 1987/07/10	TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG.			
		ANGULAR ± --- °				CHECKED BY PATEL	DATE 1987/07/10	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPROVED BY LENZ	DATE 1987/07/10	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-7478	SHEET NO. 5 OF 7	