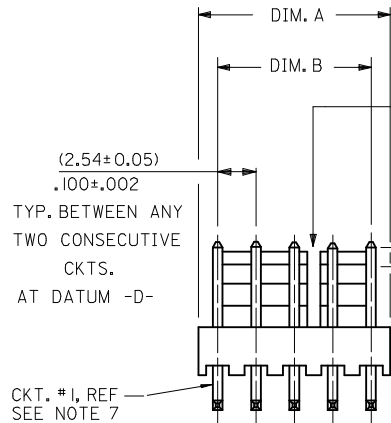
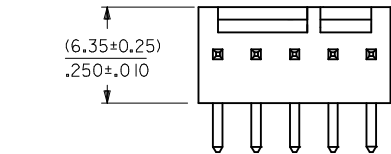


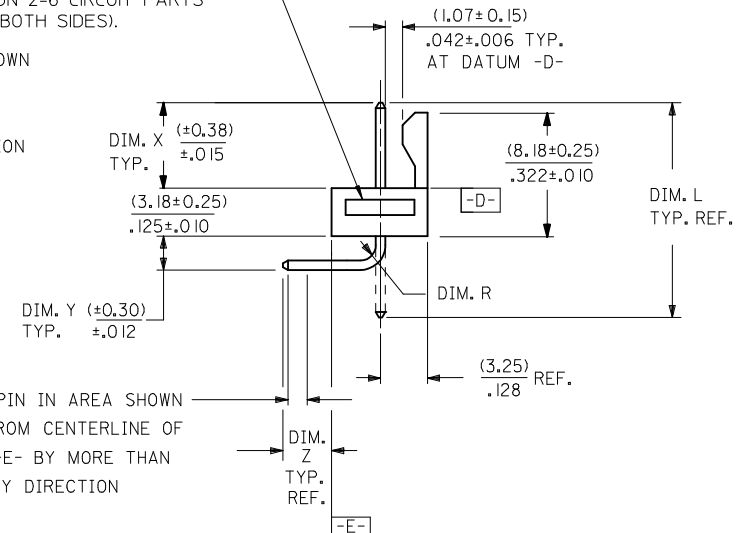
	13	12	11	10	9	8	7	6	5	4	3	2	1
J	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25									
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25									
	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21									
	25	(63.50 / 62.99) 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									
H	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									
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									
E	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									
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									
C	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									
B	2	(5.08 / 4.78) .200 / .188	(2.54 ± 0.05) .100 ± .002	NONE									
A		DIM. A	DIM. B	SLOTS LOC.									



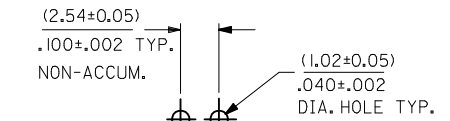
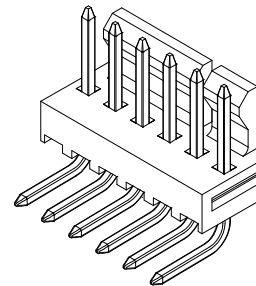
SLOTS LOCATED
BETWEEN CIRCUITS
(SEE CHART)

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



RECOMMENDED P.C. BOARD HOLE LAYOUT

A-7478-N***
NO. OF CKTS.

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

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

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	DRWN:KIPPER	2009/01/30	CHKD:SSOUSEK	2009/01/30	APPR:FSMITH	2009/01/30	DESCRIPTION	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY	DATE	TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG		
4 PLACES	± ---	± ---	GUZIC	1987/07/30			
3 PLACES	± ---	± .010	CHECKED BY	DATE	MOLEX INCORPORATED		
2 PLACES	± 0.25	± .015	PATEL	1987/07/30			
1 PLACE	± 0.38	± ---	APPROVED BY	DATE	SDA-7478		
ANGULAR ± 1/2°			LENZ	1987/07/30			
MATERIAL NO.				DOCUMENT NO.			SHEET NO.
SEE CHART				SDA-7478			1 OF 7
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				
		C					

NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE

2. 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.

3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.

4. PACKAGING INFORMATION: SEE LEGEND.

5. PARTS ARE STACKABLE END TO END ON (2.54)/.100 CENTERS.

6. PIN PUSH OUT FORCE: 2 LBS. MIN.

7. CIRCUIT ONE DESIGNATION IS USED TO DEFINE VOID LOCATION.

CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE ON THE MATING HOUSING.

8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

[illegible]

	13	12	11	10	9	8	7	6	5	4	3	2	1																															
	A-7478-NA503		A-7478-NE 102		A-7478-NF 102		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																																	
	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																																	
	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																																	
	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																																	
	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																																	
	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																																	
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tb_frame_C_P_ME_T Rev. D 2004/04/02	12	11	10	9	8	7	6	5	4	3	2	1																																