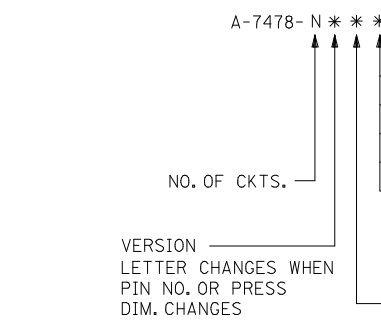
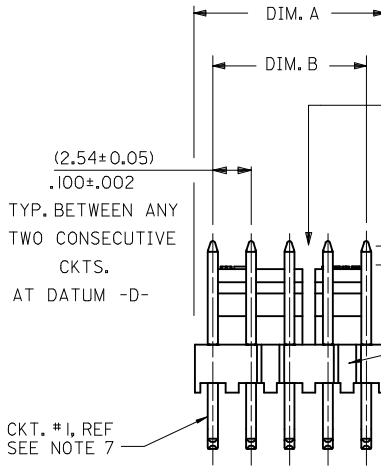
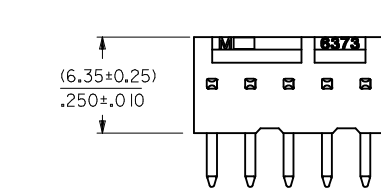
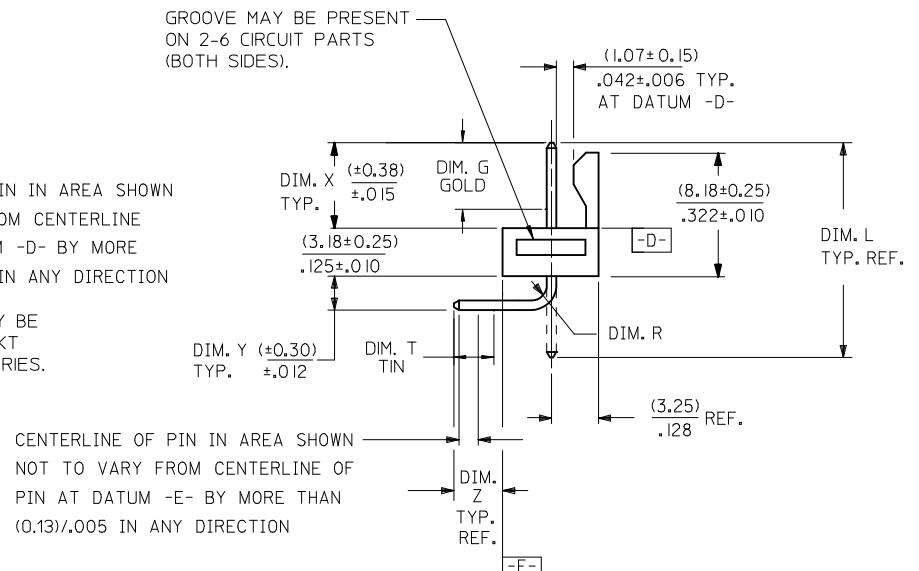


J	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25
	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21
I	25	(63.50 / 62.99) 2.500 / 2.480	(60.96 ± 0.25) 2.400 ± .010	4 , 5 20 , 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
H	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
G	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
F	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
E	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
D	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
C	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
B	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
A	NO. OF CKTS.	DIM. A	DIM. B	SLOTS LOC.

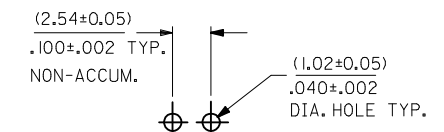
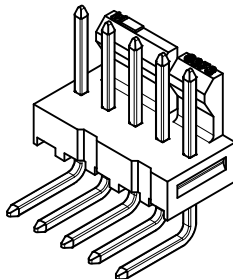


NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. 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.
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.



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



RECOMMENDED P.C. BOARD HOLE LAYOUT

ADD GATE, CHG PLTG EC NO: UCP2012-1821 DRAWN: MSTR0H CHKD: KKK APPR: FSLTH	2011/12/07 2012/01/03 2012/02/02	DESCRIPTION REV	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. SDA-7478	SHEET NO. 1 OF 7

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

	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				J
I	A-7478-NA228	42663-0664	(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-NE197	42663-0742	(19.81) .780	(7.75) .305	(3.56) .140	(3.05) .120	90° .046	(1.17) .046	N/A	OVERALL				
	A-7478-NF197	42663-0622	(18.29) .720	(6.73) .265	(2.92+.25) .115±.010	(3.18) .125 REF.	90° .046	(1.17) .046	N/A	OVERALL				
	A-7478-NH197	42663-0482	(16.51) .650	(7.49) .295	(2.69) .106	(0.64) .025	90° .025	(.64) .025	N/A	OVERALL				
	A-7478-NM208	42663-0564	(17.53) .690	(7.57) .298	(3.63) .143	(0.64) .025	90° .025	(.64) .025	(5.08) .200	(3.43) .135				
H	A-7478-NA154	42663-0668	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90° .046	(1.17) .046	N/A	OVERALL				H
	A-7478-ANE197	42663-0742	(19.81) .780	(7.75) .305	(3.56) .140	(3.05) .120	90° .046	(1.17) .046	N/A	OVERALL				
	A-7478-NM197	42663-0562	(17.53) .690	(7.57) .298	(3.63) .143	(.64) .025	90° .025	(.64) .025	N/A	OVERALL				
	A-7478-NH228	42663-0483	(16.51) .650	(7.49) .295	(2.69) .106	(.64) .025	90° .025	(.64) .025	(5.08) .200	(5.08) .200				
G														G
	A-7478-NN197	42663-0662	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90° .046	(1.17) .046	N/A	OVERALL				
	A-7478-NP197	42663-1142	(24.89) .980	(6.60) .260	(9.73) .383	(3.05) .120	90° .046	(1.17) .046	N/A	OVERALL				
F														F
E														E
D														D
C														C
B														B
A														A
CHANGE PLATING EC NO: UCP2012-1821 2011/12/09 DRWN:MMSTROH 2012/01/03 CHKD:MMK/PPER 2012/02/02 APPR:FSM/LTH REV DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± --- 1 PLACE ± --- ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. SIZE SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE FRICITION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG. MOLEX INCORPORATED DOCUMENT NO. SDA-7478 SHEET NO. 4 OF 7 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
tb_frame_C_P_ME_T Rev. F 2009/06/18	12	11	10	9	8	7	6	5	4	3	2	1		

	13	12	11	10	9	8	7	6	5	4	3	2	1																																																												
J	A-7478-NA228		A-7478-NE197		A-7478-NF197		A-7478-NH197		A-7478-NM208		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.																																																													
I	22-12-2026	A-7478-2A228	22-05-8025	A-7478-2E197		A-7478-2F197	S	22-05-8020	A-7478-2H197	S		A-7478-2M208	50-30-4424	A-7478-2A154	I																																																										
	22-12-2036	A-7478-3A228		A-7478-3E197		A-7478-3F197	S	22-05-8030	A-7478-3H197	S		A-7478-3M208	50-30-4434	A-7478-3A154																																																											
	22-12-2046	A-7478-4A228		A-7478-4E197		A-7478-4F197	S	22-05-8040	A-7478-4H197	S		A-7478-4M208	50-30-4444	A-7478-4A154																																																											
	22-12-2056	A-7478-5A228	22-05-8055	A-7478-5E197	22-05-9058	A-7478-5F197	S	22-05-8050	A-7478-5H197	S		A-7478-5M208																																																													
	22-12-2066	A-7478-6A228		A-7478-6E197		A-7478-6F197	S	22-05-8060	A-7478-6H197	S		A-7478-6M208																																																													
	22-12-2076	A-7478-7A228		A-7478-7E197		A-7478-7F197	S	22-05-8070	A-7478-7H197	S		A-7478-7M208																																																													
	22-12-2086	A-7478-8A228		A-7478-8E197		A-7478-8F197	S	22-05-8080	A-7478-8H197	S		A-7478-8M208																																																													
	22-12-2096	A-7478-9A228		A-7478-9E197		A-7478-9F197	S	22-05-8090	A-7478-9H197	S		A-7478-9M208																																																													
H	22-12-2106	A-7478-10A228		A-7478-10E197		A-7478-10F197	S	22-05-8100	A-7478-10H197	S		A-7478-10M208			H																																																										
	22-12-2116	A-7478-11A228		A-7478-11E197		A-7478-11F197	S	22-05-8110	A-7478-11H197	S		A-7478-11M208																																																													
	22-12-2126	A-7478-12A228		A-7478-12E197		A-7478-12F197	S	22-05-8120	A-7478-12H197	S	22-12-2123	A-7478-12M208																																																													
	22-12-2136	A-7478-13A228		A-7478-13E197		A-7478-13F197	S	22-05-8130	A-7478-13H197	S		A-7478-13M208																																																													
G	22-12-2146	A-7478-14A228		A-7478-14E197		A-7478-14F197	S	22-05-8140	A-7478-14H197	S		A-7478-14M208			G																																																										
	22-12-2156	A-7478-15A228		A-7478-15E197		A-7478-15F197	S	22-05-8150	A-7478-15H197	S		A-7478-15M208																																																													
	22-12-2166	A-7478-16A228		A-7478-16E197		A-7478-16F197	S	22-05-8160	A-7478-16H197	S		A-7478-16M208																																																													
	22-12-2176	A-7478-17A228		A-7478-17E197		A-7478-17F197	S	22-05-8170	A-7478-17H197	S		A-7478-17M208																																																													
	22-12-2186	A-7478-18A228		A-7478-18E197		A-7478-18F197	S	22-05-8180	A-7478-18H197	S		A-7478-18M208																																																													
	22-12-2196	A-7478-19A228		A-7478-19E197		A-7478-19F197	S	22-05-8190	A-7478-19H197	S		A-7478-19M208																																																													
F	22-12-2206	A-7478-20A228		A-7478-20E197		A-7478-20F197	S	22-05-8200	A-7478-20H197	S		A-7478-20M208			F																																																										
	22-12-2216	A-7478-21A228		A-7478-21E197		A-7478-21F197	S	22-05-8210	A-7478-21H197	S		A-7478-21M208																																																													
	22-12-2226	A-7478-22A228		A-7478-22E197		A-7478-22F197	S	22-05-8220	A-7478-22H197	S		A-7478-22M208																																																													
	22-12-2236	A-7478-23A228		A-7478-23E197		A-7478-23F197	S	22-05-8230	A-7478-23H197	S		A-7478-23M208																																																													
	22-12-2246	A-7478-24A228		A-7478-24E197		A-7478-24F197	S	22-05-8240	A-7478-24H197	S		A-7478-24M208																																																													
	22-12-2256	A-7478-25A228		A-7478-25E197		A-7478-25F197	S	22-05-8250	A-7478-25H197	S		A-7478-25M208																																																													
E	22-12-2266	A-7478-26A228		A-7478-26E197		A-7478-26F197	S	22-05-8260	A-7478-26H197	S		A-7478-26M208			E																																																										
	22-12-2276	A-7478-27A228		A-7478-27E197		A-7478-27F197	S	22-05-8270	A-7478-27H197	S		A-7478-27M208																																																													
	22-12-2286	A-7478-28A228		A-7478-28E197		A-7478-28F197	S	22-05-8280	A-7478-28H197	S		A-7478-28M208																																																													
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<table><tr><td rowspan="5">CHANGE PLATING EC NO: UCP2012-1821 2011/12/09 DRWN:MMSTROH CHKD:HKIPPER 2012/01/03 APPR:FSMITH 2012/02/02</td><td rowspan="5">REV AA</td><td rowspan="5">DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM/IN</td><td>SCALE ---</td><td>DESIGN UNITS INCH</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td colspan="2"></td><td colspan="2">DRAWN BY DATE</td><td colspan="2">TITLE</td></tr><tr><td colspan="2">4 PLACES ± --- ± ---</td><td colspan="2">GUZIK 1987/07/10</td><td colspan="2">FRICION LOCK HEADER ASY</td></tr><tr><td colspan="2">3 PLACES ± --- ± ---</td><td colspan="2">CHECKED BY DATE</td><td colspan="2">.100 CL BENT SQ PINS</td></tr><tr><td colspan="2">2 PLACES ± --- ± ---</td><td colspan="2">PATEL 1987/07/10</td><td colspan="2">7478 SERIES DWG.</td></tr><tr><td colspan="2">1 PLACE ± --- ± ---</td><td colspan="2">APPROVED BY DATE</td><td colspan="2">MOLEX MOLEX INCORPORATED</td></tr><tr><td colspan="2">ANGULAR ± ---°</td><td colspan="2">LENZ 1987/07/10</td><td colspan="2"></td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="2">DOCUMENT NO. SDA-7478</td></tr><tr><td colspan="2">SIZE C</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td colspan="2">SHEET NO. 5 OF 7</td></tr></table>															CHANGE PLATING EC NO: UCP2012-1821 2011/12/09 DRWN:MMSTROH CHKD:HKIPPER 2012/01/03 APPR:FSMITH 2012/02/02	REV AA	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				DRAWN BY DATE		TITLE		4 PLACES ± --- ± ---		GUZIK 1987/07/10		FRICION LOCK HEADER ASY		3 PLACES ± --- ± ---		CHECKED BY DATE		.100 CL BENT SQ PINS		2 PLACES ± --- ± ---		PATEL 1987/07/10		7478 SERIES DWG.		1 PLACE ± --- ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED		ANGULAR ± ---°		LENZ 1987/07/10				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SDA-7478		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 5 OF 7	
CHANGE PLATING EC NO: UCP2012-1821 2011/12/09 DRWN:MMSTROH CHKD:HKIPPER 2012/01/03 APPR:FSMITH 2012/02/02	REV AA	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																																																																
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tb_frame_C_P_ME_T Rev. F 2009/06/18	12	11	10	9	8	7	6	5	4	3	2	1																																																													