

13 12 11 10 9 8 7 6 5 4 3 2 1

28 (71.12 / 70.61) (68.58 ± 0.25) 4 , 5
2.800 / 2.780 2.700 ± .010 24 , 25

J 27 (68.58 / 68.07) (66.04 ± 0.25) 4 , 5
2.700 / 2.680 2.600 ± .010 24 , 25

26 (66.04 / 65.53) (63.50 ± 0.25) 4 , 5
2.600 / 2.580 2.500 ± .010 20 , 21

I 25 (63.50 / 62.99) (60.96 ± 0.25) 4 , 5
2.500 / 2.480 2.400 ± .010 20 , 21

24 (60.96 / 60.45) (58.42 ± 0.25) 4 , 5
2.400 / 2.380 2.300 ± .010 20 , 21

23 (58.42 / 57.96) (55.88 ± 0.23) 4 , 5
2.300 / 2.282 2.200 ± .009 20 , 21

22 (55.88 / 55.42) (53.34 ± 0.23) 4 , 5
2.200 / 2.182 2.100 ± .009 16 , 17

H 21 (53.34 / 52.88) (50.80 ± 0.23) 4 , 5
2.100 / 2.082 2.000 ± .009 16 , 17

20 (50.80 / 50.34) (48.26 ± 0.23) 4 , 5
2.000 / 1.982 1.900 ± .009 16 , 17

G 19 (48.26 / 47.80) (45.72 ± 0.23) 4 , 5
1.900 / 1.882 1.800 ± .009 16 , 17

18 (45.72 / 45.31) (43.18 ± 0.20) 4 , 5
1.800 / 1.784 1.700 ± .008 12 , 13

17 (43.18 / 42.77) (40.64 ± 0.20) 4 , 5
1.700 / 1.684 1.600 ± .008 12 , 13

F 16 (40.64 / 40.23) (38.10 ± 0.20) 4 , 5
1.600 / 1.584 1.500 ± .008 12 , 13

15 (38.10 / 37.69) (35.56 ± 0.20) 4 , 5
1.500 / 1.484 1.400 ± .008 12 , 13

E 14 (35.56 / 35.20) (33.02 ± 0.18) 4 , 5
1.400 / 1.386 1.300 ± .007 8 , 9

13 (33.02 / 32.66) (30.48 ± 0.18) 4 , 5
1.300 / 1.286 1.200 ± .007 8 , 9

12 (30.48 / 30.12) (27.94 ± 0.18) 4 , 5
1.200 / 1.186 1.100 ± .007 8 , 9

11 (27.94 / 27.58) (25.40 ± 0.18) 4 , 5
1.100 / 1.086 1.000 ± .007 8 , 9

10 (25.40 / 25.04) (22.86 ± 0.15) 4 , 5
1.000 / .986 .900 ± .006 4 , 5

9 (22.86 / 22.50) (20.32 ± 0.15) 4 , 5
.900 / .886 .800 ± .006 4 , 5

D 8 (20.32 / 19.96) (17.78 ± 0.15) 4 , 5
.800 / .786 .700 ± .006 4 , 5

7 (17.78 / 17.42) (15.24 ± 0.13) 4 , 5
.700 / .686 .600 ± .005 4 , 5

6 (15.24 / 14.88) (12.70 ± 0.13) 4 , 5
.600 / .586 .500 ± .005 4 , 5

C 5 (12.70 / 12.40) (10.16 ± 0.13) NONE
.500 / .488 .400 ± .005 NONE

4 (10.16 / 9.86) (7.62 ± 0.13) NONE
.400 / .388 .300 ± .005 NONE

3 (7.62 / 7.32) (5.08 ± 0.10) NONE
.300 / .288 .200 ± .004 NONE

B 2 (5.08 / 4.78) (2.54 ± 0.05) NONE
.200 / .188 .100 ± .002 NONE

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.

(222) = OVERALL MATTE TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.

(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.

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

(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

ADD 222 TO NOTE 2

EC NO: UCP2014-4754

DRWN: JDOX 2014/05/13

CHKD: MK/PPER 2014/05/13

APPR: FSM/TH 2014/05/16

AA1

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm INCH

4 PLACES ± .005 ± .005

3 PLACES ± .005 ± .010

2 PLACES ± 0.25 ± .015

1 PLACE ± 0.38 ± .015

0 PLACE ± .005 ± .005

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

FSM/TH 2014/05/16

MATERIAL NO.

SEE CHART

DOCUMENT NO.

SDA-7478

SHEET NO.

1 OF 7

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FRICITION LOCK HEADER ASY

.100 CL BENT SQ PINS

7478 SERIES DWG

molex

RECOMMENDED P.C. BOARD HOLE LAYOUT

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	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. R	DIM. G	DIM. T				J																																																												
I	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																																																																
	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														H																																																												
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F														F																																																												
E														E																																																												
D														D																																																												
C														C																																																												
B	<table><tr><td rowspan="10">SEE SHEET 1 EC NO: UCP2014-4754 DRWN:JDOX 2014/05/13 CHKD:MKIPPER 2014/05/13 APPR:FSMITH 2014/05/16</td><td rowspan="10">REV</td><td rowspan="10">DESCRIPTION</td><td rowspan="10">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 rowspan="10"> THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="2">mm</td><td rowspan="2">INCH</td><td>DRAWN BY</td><td>DATE</td><td rowspan="2">TITLE</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>GUZIC</td><td>1987/07/30</td><td rowspan="4">FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG molex</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± .010</td><td rowspan="2">PATEL</td><td rowspan="2">1987/07/30</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± .015</td></tr><tr><td>1 PLACE</td><td>± 0.38</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>± ---</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td><td rowspan="2">DOCUMENT NO.</td><td rowspan="2">SHEET NO.</td></tr><tr><td colspan="2">ANGULAR ±1/2°</td><td>FSMITH</td><td>2014/05/16</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="2">SDA-7478</td><td>2 OF 7</td></tr><tr><td colspan="2"></td><td colspan="5">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>													SEE SHEET 1 EC NO: UCP2014-4754 DRWN:JDOX 2014/05/13 CHKD:MKIPPER 2014/05/13 APPR:FSMITH 2014/05/16	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	mm	INCH	DRAWN BY	DATE	TITLE	CHECKED BY	DATE	4 PLACES	± ---	± ---	GUZIC	1987/07/30	FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG molex	3 PLACES	± ---	± .010	PATEL	1987/07/30	2 PLACES	± 0.25	± .015	1 PLACE	± 0.38	± ---	0 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO.	SHEET NO.	ANGULAR ±1/2°		FSMITH	2014/05/16	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-7478		2 OF 7			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					B
SEE SHEET 1 EC NO: UCP2014-4754 DRWN:JDOX 2014/05/13 CHKD:MKIPPER 2014/05/13 APPR:FSMITH 2014/05/16																		REV	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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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															
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											
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															
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															
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															
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															
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															

	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																												
	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					I																												
	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																																	
G	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																												
	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																																	
F	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																												
E															E																												
D															D																												
C															C																												
B														B																													
A														A																													
SEE SHEET 1 EC NO: UCP2014-4754 DRWN:JDOX 2014/05/13 CHKD:MKL 2014/05/13 APPR:FSM1TH 2014/05/16 REV AA1 QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± .010</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± .015</td></tr><tr><td>1 PLACE</td><td>± 0.38</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>± ---</td><td>± ---</td></tr></table> ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>GUZIC</td><td>1987/07/30</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>PATEL</td><td>1987/07/30</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>FSM1TH</td><td>2014/05/16</td></tr></table> SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION FRICITION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG molex MATERIAL NO. SEE CHART 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															mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .010	2 PLACES	± 0.25	± .015	1 PLACE	± 0.38	± ---	0 PLACE	± ---	± ---	DRAWN BY	DATE	GUZIC	1987/07/30	CHECKED BY	DATE	PATEL	1987/07/30	APPROVED BY	DATE	FSM1TH	2014/05/16
	mm	INCH																																									
4 PLACES	± ---	± ---																																									
3 PLACES	± ---	± .010																																									
2 PLACES	± 0.25	± .015																																									
1 PLACE	± 0.38	± ---																																									
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GUZIC	1987/07/30																																										
CHECKED BY	DATE																																										
PATEL	1987/07/30																																										
APPROVED BY	DATE																																										
FSM1TH	2014/05/16																																										
1b_frame_C_P_AM_T Rev. G 2012/01/11	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.		
	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		
	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		
I	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	I	
	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				
H	22-12-2076	A-7478-7A228		A-7478-7E197		A-7478-7F197	S 22-05-8070	A-7478-7H197	S	A-7478-7M208			H	
	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				
G	22-12-2106	A-7478-10A228		A-7478-10E197		A-7478-10F197	S 22-05-8100	A-7478-10H197	S	A-7478-10M208			G	
	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				
F	22-12-2136	A-7478-13A228		A-7478-13E197		A-7478-13F197	S 22-05-8130	A-7478-13H197	S	A-7478-13M208			F	
	22-12-2146	A-7478-14A228		A-7478-14E197		A-7478-14F197	S 22-05-8140	A-7478-14H197	S	A-7478-14M208				
	22-12-2156	A-7478-15A228		A-7478-15E197		A-7478-15F197	S 22-05-8150	A-7478-15H197	S	A-7478-15M208				
E	22-12-2166	A-7478-16A228		A-7478-16E197		A-7478-16F197	S 22-05-8160	A-7478-16H197	S	A-7478-16M208			E	
	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				
D	22-12-2196	A-7478-19A228		A-7478-19E197		A-7478-19F197	S 22-05-8190	A-7478-19H197	S	A-7478-19M208			D	
	22-12-2206	A-7478-20A228		A-7478-20E197		A-7478-20F197	S 22-05-8200	A-7478-20H197	S	A-7478-20M208				
	22-12-2216	A-7478-21A228		A-7478-21E197		A-7478-21F197	S 22-05-8210	A-7478-21H197	S	A-7478-21M208				
C	22-12-2226	A-7478-22A228		A-7478-22E197		A-7478-22F197	S 22-05-8220	A-7478-22H197	S	A-7478-22M208			C	
	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				
B	22-12-2256	A-7478-25A228		A-7478-25E197		A-7478-25F197	S 22-05-8250	A-7478-25H197	S	A-7478-25M208			B	
	22-12-2266	A-7478-26A228		A-7478-26E197		A-7478-26F197	S 22-05-8260	A-7478-26H197	S	A-7478-26M208				
	22-12-2276	A-7478-27A228		A-7478-27E197		A-7478-27F197	S 22-05-8270	A-7478-27H197	S	A-7478-27M208				
A	22-12-2286	A-7478-28A228		A-7478-28E197		A-7478-28F197	S 22-05-8280	A-7478-28H197	S	A-7478-28M208			A	

13		12		11		10		9		8		7		6		5		4		3		2		1	
J					A-7478-ANE197		A-7478-NM197																		
	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.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.			
						A-7478-A2E197	22-I2-4028	A-7478-2M197																	
						A-7478-A3E197	22-I2-4038	A-7478-3M197																	
						A-7478-A4E197	22-I2-4048	A-7478-4M197																	
I					22-05-3055	A-7478-A5E197	22-I2-4058	A-7478-5M197																	
						A-7478-A6E197	22-I2-4068	A-7478-6M197																	
					22-05-3075	A-7478-A7E197	22-I2-4078	A-7478-7M197																	
						A-7478-A8E197	22-I2-4088	A-7478-8M197																	
						A-7478-A9E197	22-I2-4098	A-7478-9M197																	
H						A-7478-A10E197	22-I2-4108	A-7478-10M197																	
						A-7478-A11E197	22-I2-4118	A-7478-11M197																	
						A-7478-A12E197	22-I2-4128	A-7478-12M197																	
						A-7478-A13E197	22-I2-4138	A-7478-13M197																	
						A-7478-A14E197	22-I2-4148	A-7478-14M197																	
G						A-7478-A15E197	22-I2-4158	A-7478-15M197																	
						A-7478-A16E197	22-I2-4168	A-7478-16M197																	
						A-7478-A17E197	22-I2-4178	A-7478-17M197																	
						A-7478-A18E197	22-I2-4188	A-7478-18M197																	
				22-05-3195	A-7478-A19E197	22-I2-4198	A-7478-19M197																		
						A-7478-A20E197	22-I2-4208	A-7478-20M197																	
F						A-7478-A21E197	22-I2-4218	A-7478-21M197																	
						A-7478-A22E197	22-I2-4228	A-7478-22M197																	
						A-7478-A23E197	22-I2-4238	A-7478-23M197																	
						A-7478-A24E197	22-I2-4248	A-7478-24M197																	
						A-7478-A25E197	22-I2-4258	A-7478-25M197																	
E						A-7478-A26E197	22-I2-4268	A-7478-26M197																	
						A-7478-A27E197	22-I2-4278	A-7478-27M197																	
						A-7478-A28E197	22-I2-4288	A-7478-28M197																	
D																									
C																									
B																									
A																									
SEE SHEET 1 EC NO: UCP2014-4754 DRWN:JDOX CHKD:MKLPPR APPR:FSMITH REV 2014/05/13 2014/05/13 2014/05/16 DESCRIPTION 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 ± --- 0 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. DOCUMENT NO. SHEET NO. THIRD ANGLE PROJECTION FRICITION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG molex SDA-7478 6 OF 7 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																									
1b_frame_C_P_AM_T Rev. G 2012/01/11		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-NH228				A-7478-NN197		A-7478-NP197							
	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.			PART NO.	ENG. NO.	PART NO.	ENG. NO.		
	22-I6-3026	A-7478-2H228				A-7478-2N197	50-29-0033	A-7478-2P197						
	22-I6-3036	A-7478-3H228				A-7478-3N197		A-7478-3P197						
I	22-I6-3046	A-7478-4H228				A-7478-4N197		A-7478-4P197						
	22-I6-3056	A-7478-5H228				A-7478-5N197	22-05-8053	A-7478-5P197						
	22-I6-3066	A-7478-6H228				A-7478-6N197		A-7478-6P197						
H	22-I6-3076	A-7478-7H228				A-7478-7N197		A-7478-7P197						
	22-I6-3086	A-7478-8H228				A-7478-8N197		A-7478-8P197						
	22-I6-3096	A-7478-9H228				A-7478-9N197		A-7478-9P197						
G	22-I6-3106	A-7478-10H228				A-7478-10N197		A-7478-10P197						
	22-I6-3116	A-7478-11H228				A-7478-11N197		A-7478-11P197						
	22-I6-3126	A-7478-12H228				A-7478-12N197		A-7478-12P197						
F	22-I6-3136	A-7478-13H228				A-7478-13N197		A-7478-13P197						
	22-I6-3146	A-7478-14H228				A-7478-14N197		A-7478-14P197						
	22-I6-3156	A-7478-15H228				A-7478-15N197		A-7478-15P197						
E	22-I6-3166	A-7478-16H228				A-7478-16N197		A-7478-16P197						
	22-I6-3176	A-7478-17H228			22-59-5176	A-7478-17N197		A-7478-17P197						
	22-I6-3186	A-7478-18H228				A-7478-18N197		A-7478-18P197						
D	22-I6-3196	A-7478-19H228				A-7478-19N197		A-7478-19P197						
	22-I6-3206	A-7478-20H228				A-7478-20N197		A-7478-20P197						
	22-I6-3216	A-7478-21H228				A-7478-21N197		A-7478-21P197						
C	22-I6-3226	A-7478-22H228				A-7478-22N197		A-7478-22P197						
	22-I6-3236	A-7478-23H228				A-7478-23N197		A-7478-23P197						
	22-I6-3246	A-7478-24H228				A-7478-24N197		A-7478-24P197						
B	22-I6-3256	A-7478-25H228				A-7478-25N197		A-7478-25P197						
	22-I6-3266	A-7478-26H228				A-7478-26N197		A-7478-26P197						
	22-I6-3276	A-7478-27H228				A-7478-27N197		A-7478-27P197						
A	22-I6-3286	A-7478-28H228				A-7478-28N197		A-7478-28P197						