



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 HOUSING.

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

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

SECONDARY OPERATIONS		
CODE	PACKAGE	KINKED PIN
BLANK	BULK PK-7478-001	NO
B	BULK PK-7478-001	ES-42003
T	TUBE PER PK-44743-001	NO

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	Y9
SHT	REV

ADD P/NS EC NO: UCP2006-1815 DRWN:ADERR CHKD:ALHAG APPR:FSM TH	2006/02/06 2006/02/06 2006/02/09	QUALITY SYMBOLS =0 =0
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GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .010
2 PLACES ± 0.25	± .015
1 PLACE ± 0.38	± ---
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.	DOCUMENT NO.
SEE CHART	SDA-7478

SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
FRICION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG		
MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SDA-7478	1 OF 7
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					
	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: GUZIK	DATE: 1987/07/10	CHECKED BY: PATEL	DATE: 1987/07/10	TITLE: FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG.																			
	APPROVED BY: LENZ	DATE: 1987/07/10	MATERIAL NO. SEE CHART DOCUMENT NO. SDA-7478		SHEET NO. 4 OF 7 MOLEX INCORPORATED																			
	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		
	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				
	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			E	
	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 2005/03/22 DRW: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 ± --- ± ---		DRAWN BY DATE GUZIK 1987/07/10		TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG.				
		3 PLACES ± --- ± ---		CHECKED BY DATE PATEL 1987/07/10		MATERIAL NO. DOCUMENT NO. SHEET NO. SDA-7478 5 OF 7				
		2 PLACES ± --- ± ---		APPROVED BY DATE LENZ 1987/07/10		MOLEX INCORPORATED				
1 PLACE ± --- ± ---		ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		