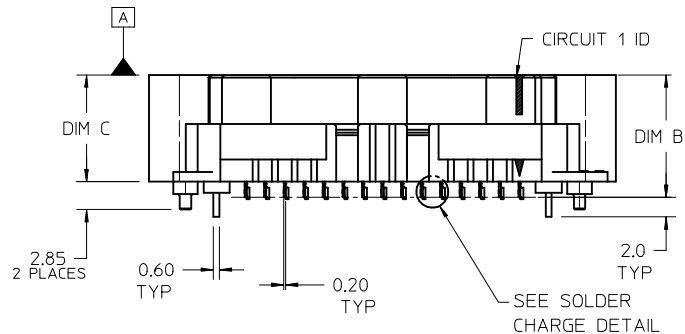
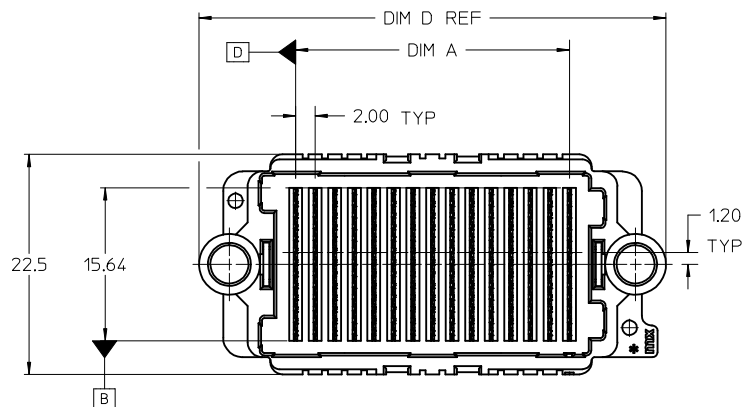
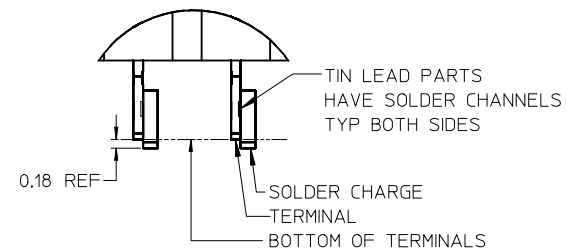


SOLDER CHARGE DETAIL



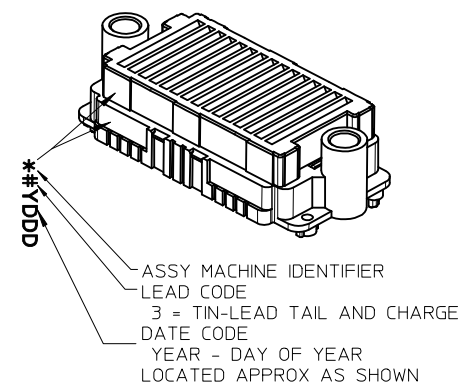
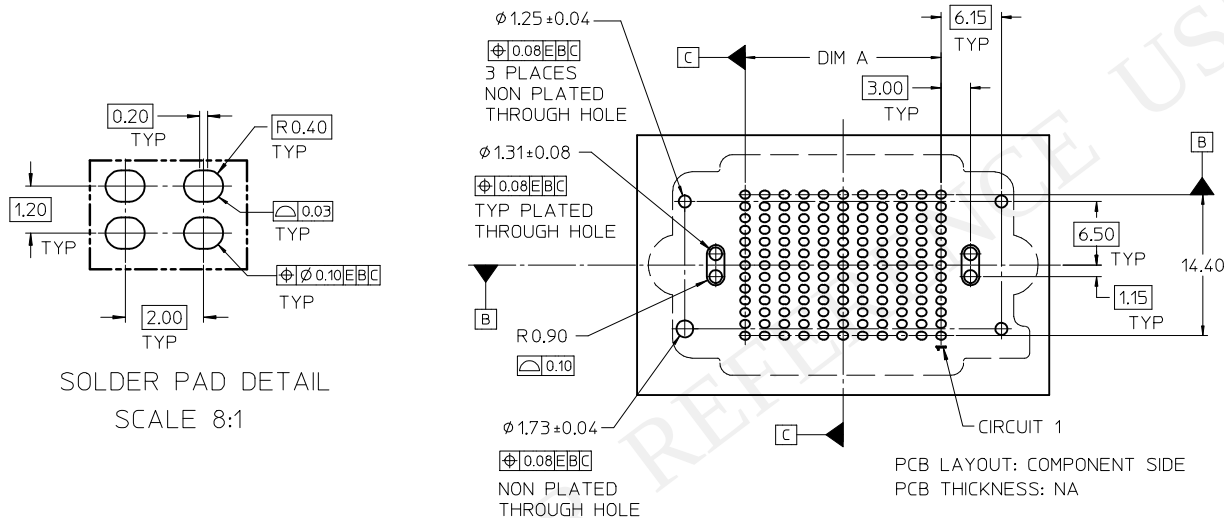
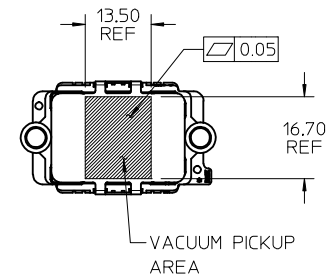
NOTES:

- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL 94V-0, BLACK
CONTACT MATERIAL: HIGH PERFORMANCE COPPER ALLOY
SOLDER NAIL MATL: STAINLESS STEEL
SOLDER CHARGE MATL: 63% TIN, 37% LEAD
- FINISH:
CONTACT AREA: 0.76 MICROMETER (30 MICROINCH) MINIMUM GOLD
TAIL AREA: 2.54 MICROMETER (100 MICROINCH) MINIMUM 90/10 TIN-LEAD
ENTIRE TERMNIAL: NICKEL UNDERPLATE
- PRODUCT SPEC: PS-45802-001
- COSMETIC SPEC: PS-45499-002 CLASS B
- PACKAGING SPEC: PK-45802-001 MOLEX STANDARD TRAYS
- DATUM -D- IS THE CENTERLINE OF THE 2 END SLOTS. END SLOT CENTERLINES ARE ESTABLISHED USING 2 MEASUREMENTS FOR EACH SLOT TAKEN 7.20 EITHER SIDE OF DATUM -B-.
- THERE ARE 13 CIRCUITS PER ROW

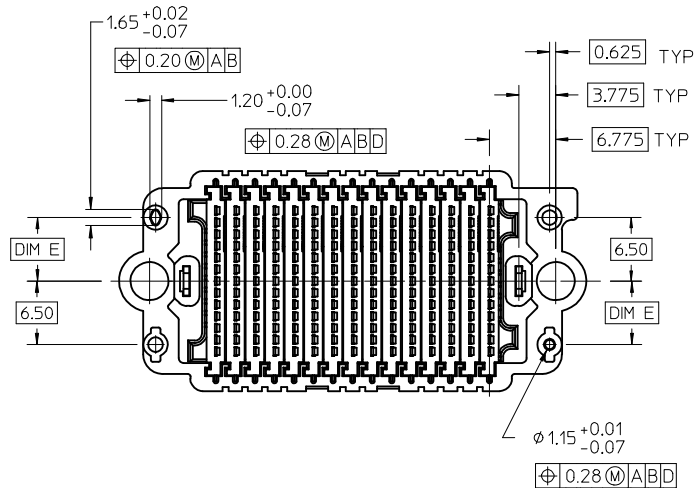
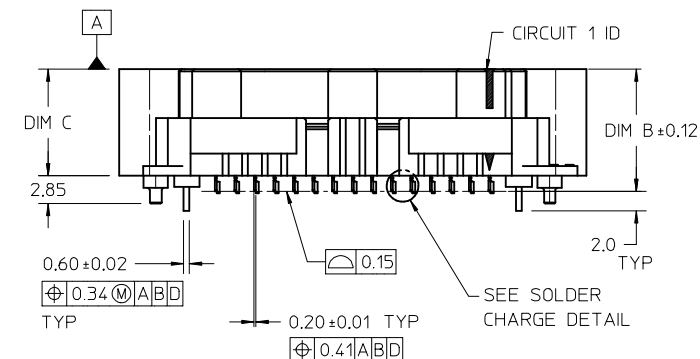
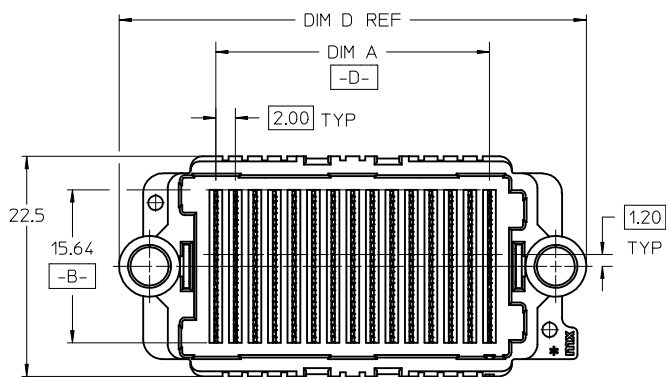
INITIAL RELEASE EC NO: UCP2016-2554 DRWN: TIBARRA 2015/12/21 CHKD: BBARKER 2015/12/21 APPR: TIBARRA 2016/01/27	DESCRIPTION	QUALITY SYMBOLS ▽A=0 ▽E=0 ▽P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY TIBARRA	DATE 2015/12/21	TITLE HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY TIN-LEAD TAILS, CHARGES molex		
			4 PLACES	± ---	± ---	CHECKED BY BBARKER	DATE 2015/12/21			
			3 PLACES	± 0.050	± ---	APPROVED BY TIBARRA	DATE 2016/01/27			
			2 PLACES	± 0.15	± ---	MATERIAL NO.	DOCUMENT NO.			
			1 PLACE	± 0.3	± ---	SEE TABLE	RSD-45802-0001			
			0 PLACE	±	±	SHEET NO. 1 OF 2				
			ANGULAR ±1/2°		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

10				9		8		7		6		5		4		3		2		1			
F	STACK HEIGHT:			8 mm		9 mm		10 mm		11 mm		12 mm		13 mm		14 mm		15 mm		17 mm		18 mm	
	DIM B:			10,51		11,51		12,51		13,51		14,51		15,51		16,51		17,51		19,51		20,51	
	DIM C:			8,90		9,90		10,90		11,90		12,90		13,90		14,90		15,90		17,90		18,90	
	ROWS	DIM A	DIM D	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	
	07	12.00	31.89																				
	09	16.00	35.89																				
	11	20.00	39.89	45802-0111																			
	13	24.00	43.89																				
	15	28.00	47.89																				
	17	32.00	51.89																				
E	19	36.00	55.89																				
	21	40.00	59.89																				
	23	44.00	63.89																				
	25	48.00	67.89																				
	27	52.00	71.89																				

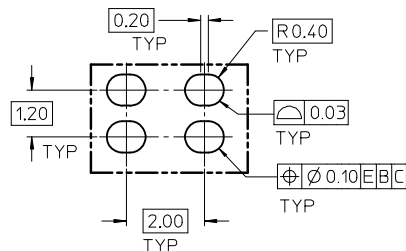
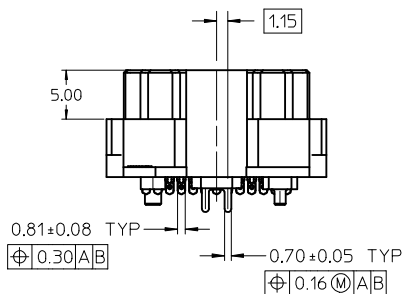
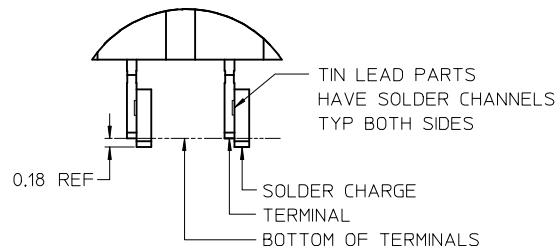
Technical drawing of a component showing dimensions and a vacuum pickup area. The drawing includes a top view with a central rectangular area shaded with diagonal lines, labeled "VACUUM PICKUP AREA". Dimensions are indicated: 13.50 REF (width of the central area), 16.70 REF (width of the outer frame), and a surface texture symbol indicating a maximum roughness of 0.05. The drawing is oriented with the vacuum pickup area on the left and the outer frame on the right.



SEE SHEET 1	EC NO: UCP2016-2554 DRAWN: TIBARRA 2015/12/21 CHKD: BBARKER 2015/12/21 APPR: TIBARRA 2016/01/27	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
								DRAWN BY	DATE	TITLE HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY TIN-LEAD TAILS, CHARGES molex							
				mm		INCH											
				4 PLACES		± ---		± ---						TIBARRA 2015/12/21			
				3 PLACES		± 0.050		± ---						CHECKED BY BBARKER 2015/12/21			
				2 PLACES		± 0.15		± ---		APPROVED BY		DATE		DOCUMENT NO. RSD-45802-0001 SHEET NO. 2 OF 2			
				1 PLACE		± 0.3		± ---		TIBARRA 2016/01/27							
				0 PLACE		±		±									
				ANGULAR ±1/2°													
				DRAFT WHERE APPLICABLE				MATERIAL NO.									
MUST REMAIN				SEE TABLE													
WITHIN DIMENSIONS				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											



SOLDER CHARGE DETAIL



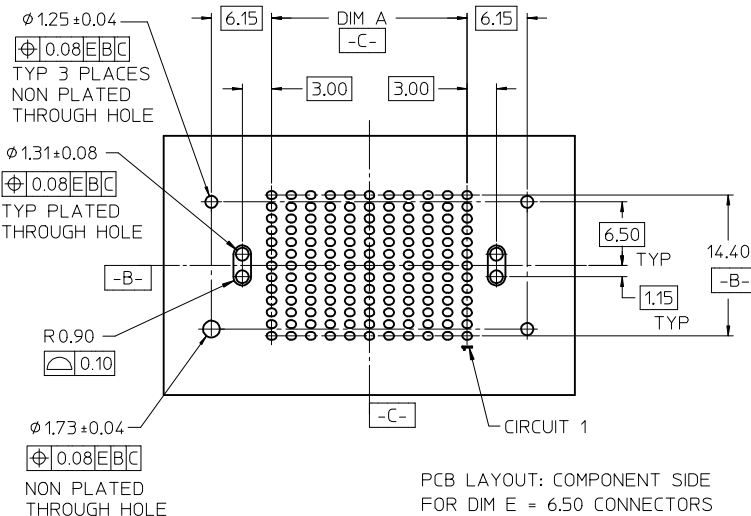
SOLDER PAD DETAIL

CLARIFY PEG LOCATION		QUALITY SYMBOLS	DESCRIPTION
EC NO:	REV		
UCP2016-3732		▽=0	
DRWN:SVANG01	2016/03/24	▽=0	
CHKD:MCAN	2016/03/24	▽=0	
APPR:DMCGOWAN	2016/03/31	▽=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	±---
3 PLACES	±0.050
2 PLACES	±0.15
1 PLACE	±0.3
0 PLACE	±
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE	
MUST REMAIN WITHIN DIMENSIONS	

NOTES:

- HOUSING MATERIAL: LCP, GLASS FILLED, UL 94V-0, BLACK
CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
SOLDER NAIL MATL: STAINLESS STEEL
SOLDER CHARGE MATL: SEE TABLE
- FINISH: SELECT GOLD 30 MICRO-INCHES MINIMUM IN CONTACT AREA
SELECT TIN: 100 MICRO-INCHES MINIMUM IN PCB TAIL
BOTH OVER NICKEL
- PRODUCT SPEC: PS-45802-001
- COSMETIC SPEC: PS-45499-002 CLASS B
- PACKAGING SPEC: PK-45802-001 MOLEX STANDARD TRAYS
PK-45802-0002 JEDEC STYLE TRAYS
- DATUM -D- IS THE CENTERLINE OF THE 2 END SLOTS, END SLOT CENTERLINES ARE ESTABLISHED USING 2 MEASUREMENTS FOR EACH SLOT TAKEN 7.20 EITHER SIDE OF DATUM -B-.
- THERE ARE 13 CKTS PER ROW



PCB LAYOUT: COMPONENT SIDE
FOR DIM E = 6.50 CONNECTORS
PCB THICKNESS: NA

HIGH DENSITY MEZZANINE
RECEPTACLE ASSEMBLY

molex

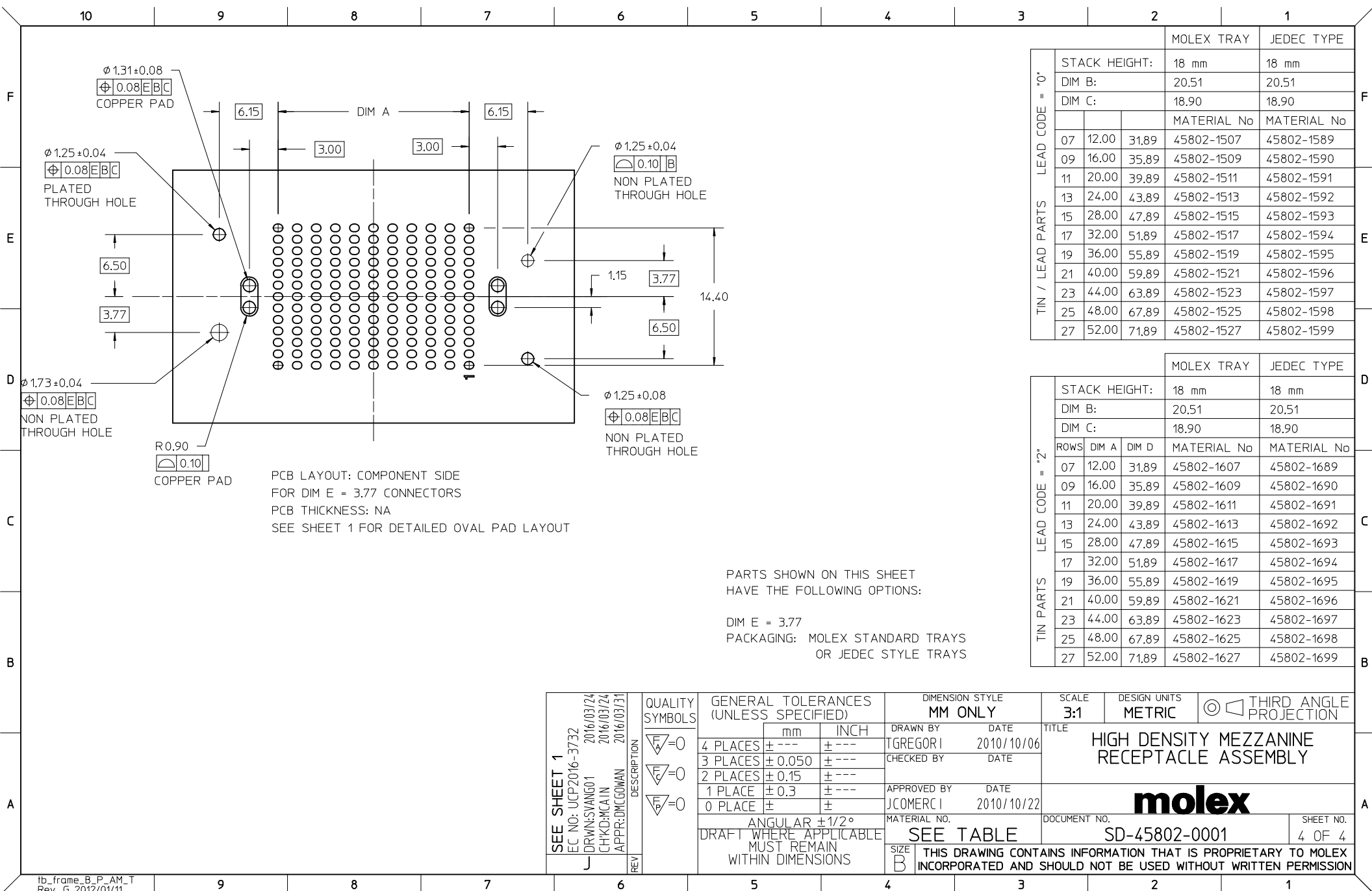
SEE TABLE

SD-45802-0001

SHEET NO.
1 OF 4

DIM E = 6.50
PACKAGING: MOLEX STANDARD TRAYS

[illegible]



PCB LAYOUT: COMPONENT SIDE
FOR DIM E = 3.77 CONNECTORS
PCB THICKNESS: NA
SEE SHEET 1 FOR DETAILED OVAL PAD LAYOUT

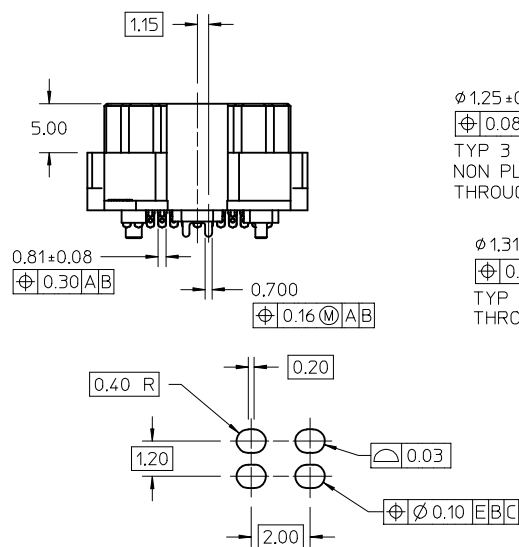
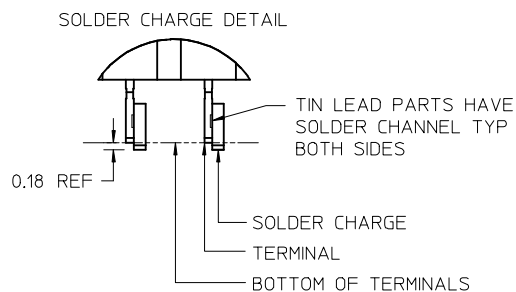
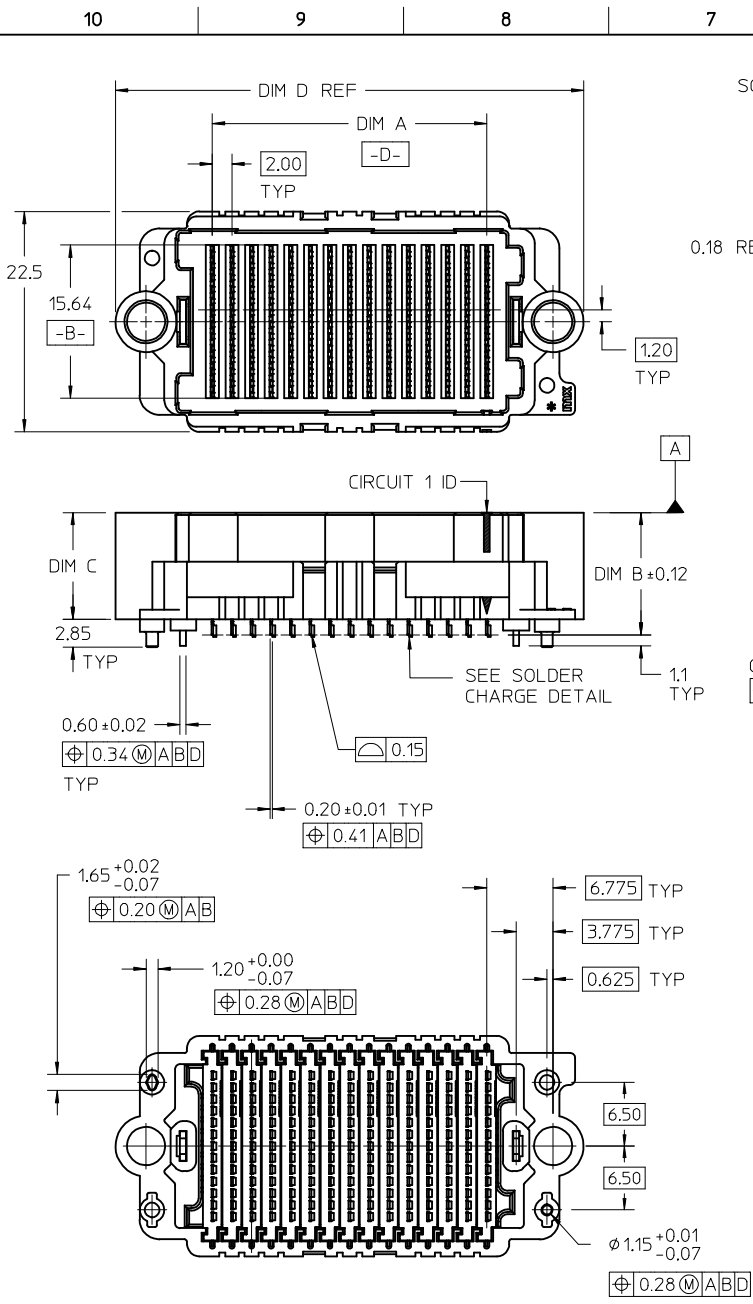
PARTS SHOWN ON THIS SHEET
HAVE THE FOLLOWING OPTIONS:

DIM E = 3.77
PACKAGING: MOLEX STANDARD TRAYS
OR JEDEC STYLE TRAYS

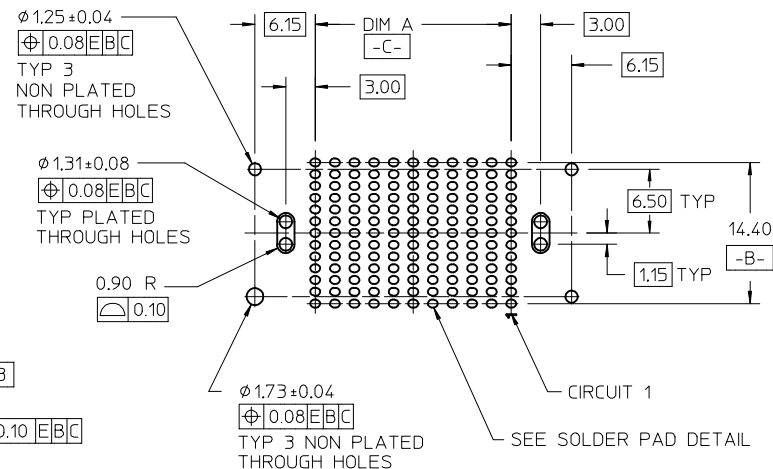
				MOLEX TRAY	JEDEC TYPE
TIN / LEAD PARTS	LEAD CODE = "0"				
	STACK HEIGHT:			18 mm	18 mm
	DIM B:			20.51	20.51
	DIM C:			18.90	18.90
				MATERIAL No	MATERIAL No
	07	12.00	31.89	45802-1507	45802-1589
	09	16.00	35.89	45802-1509	45802-1590
	11	20.00	39.89	45802-1511	45802-1591
	13	24.00	43.89	45802-1513	45802-1592
	15	28.00	47.89	45802-1515	45802-1593
	17	32.00	51.89	45802-1517	45802-1594
	19	36.00	55.89	45802-1519	45802-1595
21	40.00	59.89	45802-1521	45802-1596	
23	44.00	63.89	45802-1523	45802-1597	
25	48.00	67.89	45802-1525	45802-1598	
27	52.00	71.89	45802-1527	45802-1599	

			MOLEX TRAY	JEDEC TYPE	
TIN PARTS	STACK HEIGHT:		18 mm	18 mm	
	DIM B:		20.51	20.51	
	DIM C:		18.90	18.90	
	ROWS	DIM A	DIM D	MATERIAL No	MATERIAL No
	07	12.00	31.89	45802-1607	45802-1689
	09	16.00	35.89	45802-1609	45802-1690
	11	20.00	39.89	45802-1611	45802-1691
	13	24.00	43.89	45802-1613	45802-1692
	15	28.00	47.89	45802-1615	45802-1693
	17	32.00	51.89	45802-1617	45802-1694
LEAD CODE = "2"					

SEE SHEET 1 EC NO: UCP2016-3732 DRWN:SVANG01 2016/03/24 CHKD:MCAIN 2016/03/24 APPR:DMCGOWAN 2016/03/31	QUALITY SYMBOLS F/A=0 F/E=0 F/B=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		DESCRIPTION REV	4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm ± --- ± 0.050 ± 0.15 ± 0.3 ±	INCH ± --- ± --- ± --- ± --- ±	DRAWN BY T GREGORI		DATE 2010/10/06	
						CHECKED BY		DATE	
						APPROVED BY JCOMERC I		DATE 2010/10/22	
						MATERIAL NO.		DOCUMENT NO.	
						SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
						SEE TABLE		SD-45802-0001	
						ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 4 OF 4	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



SOLDER PAD DETAIL
TYP ALL PADS



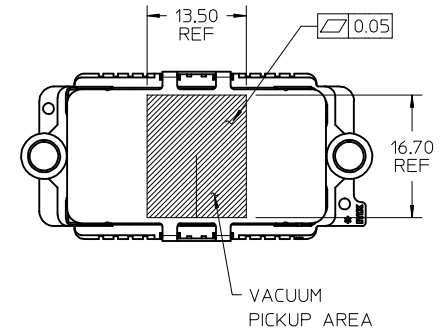
PCB LAYOUT: COMPONENT SIDE
PCB THICKNESS: N/A

NOTES:

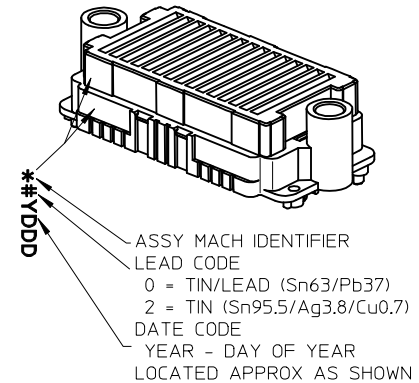
- HOUSING MATERIAL: LCP, GLASS FILLED, UL 94V-0, BLACK
CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
SOLDER NAIL MATERIAL: STAINLESS STEEL
SOLDER CHARGE: SEE TABLE
- FINISH: SELECT GOLD: 30 MICRO-INCHES MINIMUM IN CONTACT AREA
SELECT TIN: 100 MICRO-INCHES MINIMUM IN TAIL AREA
BOTH OVER NICKEL
- PRODUCT SPECIFICATION: PS-45802-001
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PACKAGING SPECIFICATION: PK-45802-001 MOLEX STANDARD TRAYS
PK-45802-0002 JEDEC STYLE TRAYS
- DATUM -D- IS THE CENTERLINE OF THE 2 END SLOTS. END
SLOT CENTERLINES ARE ESTABLISHED USING 2 MEASUREMENTS
FOR EACH SLOT TAKEN 7.20 EITHER SIDE OF DATUM -B-
- THERE ARE 13 CIRCUITS PER ROW.

CLARIFY PEG LOCATION				QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: UCP2016-3732							MM ONLY		2:1	METRIC		
2016/03/24							DRAWN BY		DATE		HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY WITH SHORT SOLDER NAILS	
2016/03/24							TGREGORI		2010/10/06			
2016/03/24							CHECKED BY		DATE			
2016/03/31						APPROVED BY		DATE		molex		
2016/03/31						JCOMERCI		2010/10/22				
						ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-45802-0002		1 OF 3
								SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
								B				

		10		9		8		7		6		5		4		3									
F	TIN / LEAD PARTS	LEAD CODE = "0"		STACK HEIGHT:		8 mm		9 mm		10 mm		11 mm		12 mm		13 mm		14 mm		15 mm		17 mm		18 mm	
		DIM B:		10.51		11.51		12.51		13.51		14.51		15.51		16.51		17.51		19.51		20.51			
		DIM C:		8.90		9.90		10.90		11.90		12.90		13.90		14.90		15.90		17.90		18.90			
		ROWS	DIM A	DIM G	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No							
E	TIN / LEAD PARTS	LEAD CODE = "0"	07	12.00	31.89	45802-0707	45802-3707	45802-2707	45802-8707	45802-4707	45802-9707	45802-6707	45802-7707	45802-5707	45802-1707										
			09	16.00	35.89	45802-0709	45802-3709	45802-2709	45802-8709	45802-4709	45802-9709	45802-6709	45802-7709	45802-5709	45802-1709										
			11	20.00	39.89	45802-0711	45802-3711	45802-2711	45802-8711	45802-4711	45802-9711	45802-6711	45802-7711	45802-5711	45802-1711										
			13	24.00	43.89	45802-0713	45802-3713	45802-2713	45802-8713	45802-4713	45802-9713	45802-6713	45802-7713	45802-5713	45802-1713										
			15	28.00	47.89	45802-0715	45802-3715	45802-2715	45802-8715	45802-4715	45802-9715	45802-6715	45802-7715	45802-5715	45802-1715										
			17	32.00	51.89	45802-0717	45802-3717	45802-2717	45802-8717	45802-4717	45802-9717	45802-6717	45802-7717	45802-5717	45802-1717										
			19	36.00	55.89	45802-0719	45802-3719	45802-2719	45802-8719	45802-4719	45802-9719	45802-6719	45802-7719	45802-5719	45802-1719										
			21	40.00	59.89	45802-0721	45802-3721	45802-2721	45802-8721	45802-4721	45802-9721	45802-6721	45802-7721	45802-5721	45802-1721										
			23	44.00	63.89	45802-0723	45802-3723	45802-2723	45802-8723	45802-4723	45802-9723	45802-6723	45802-7723	45802-5723	45802-1723										
			25	48.00	67.89	45802-0725	45802-3725	45802-2725	45802-8725	45802-4725	45802-9725	45802-6725	45802-7725	45802-5725	45802-1725										
			27	52.00	71.89	45802-0727	45802-3727	45802-2727	45802-8727	45802-4727	45802-9727	45802-6727	45802-7727	45802-5727	45802-1727										



D TIN PARTS LEAD CODE = "2"	STACK HEIGHT:		8 mm		9 mm		10 mm		11 mm		12 mm		13 mm		14 mm		15 mm		17 mm		18 mm	
	DIM B:		10.51		11.51		12.51		13.51		14.51		15.51		16.51		17.51		19.51		20.51	
	DIM C:		8.90		9.90		10.90		11.90		12.90		13.90		14.90		15.90		17.90		18.90	
	ROWS	DIM A	DIM G	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No
C	07	12.00	31.89	45802-0807	45802-3807	45802-2807	45802-8807	45802-4807	45802-9807	45802-6807	45802-7807	45802-5807	45802-1807									
	09	16.00	35.89	45802-0809	45802-3809	45802-2809	45802-8809	45802-4809	45802-9809	45802-6809	45802-7809	45802-5809	45802-1809									
	11	20.00	39.89	45802-0811	45802-3811	45802-2811	45802-8811	45802-4811	45802-9811	45802-6811	45802-7811	45802-5811	45802-1811									
	13	24.00	43.89	45802-0813	45802-3813	45802-2813	45802-8813	45802-4813	45802-9813	45802-6813	45802-7813	45802-5813	45802-1813									
	15	28.00	47.89	45802-0815	45802-3815	45802-2815	45802-8815	45802-4815	45802-9815	45802-6815	45802-7815	45802-5815	45802-1815									
	17	32.00	51.89	45802-0817	45802-3817	45802-2817	45802-8817	45802-4817	45802-9817	45802-6817	45802-7817	45802-5817	45802-1817									
	19	36.00	55.89	45802-0819	45802-3819	45802-2819	45802-8819	45802-4819	45802-9819	45802-6819	45802-7819	45802-5819	45802-1819									
	21	40.00	59.89	45802-0821	45802-3821	45802-2821	45802-8821	45802-4821	45802-9821	45802-6821	45802-7821	45802-5821	45802-1821									
	23	44.00	63.89	45802-0823	45802-3823	45802-2823	45802-8823	45802-4823	45802-9823	45802-6823	45802-7823	45802-5823	45802-1823									
	25	48.00	67.89	45802-0825	45802-3825	45802-2825	45802-8825	45802-4825	45802-9825	45802-6825	45802-7825	45802-5825	45802-1825									
	27	52.00	71.89	45802-0827	45802-3827	45802-2827	45802-8827	45802-4827	45802-9827	45802-6827	45802-7827	45802-5827	45802-1827									



ALL PARTS ON THIS SHEET
HAVE THE FOLLOWING OPTIONS

PACKAGING: MOLEX STANDARD TRAY

NOTE:

1. SOLDER CHARGE COMPOSITION

TIN/LEAD: Sn 63/Pb 37

TIN: Sn 95.5/ Ag 3.8/ Cu 0.7

SEE SHEET 1 EC NO: UCP2016-3732 DRAWN:SVANG01 2016/03/24 CHKD:MCAIN 2016/03/24 APPR:DMCGOWAN 2016/03/31	QUALITY SYMBOLS F_A=0 F_B=0 F_C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
			MM ONLY		1.5:1	METRIC				
					DRAWN BY		DATE		TITLE HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY WITH SHORT SOLDER NAILS	
					CHECKED BY		DATE			
					APPROVED BY		DATE			
					JCOMERC I		2010/10/22		molex	
					MATERIAL NO.		DOCUMENT NO.			
		SEE TABLE		SD-45802-0002		2 OF 3				
		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

