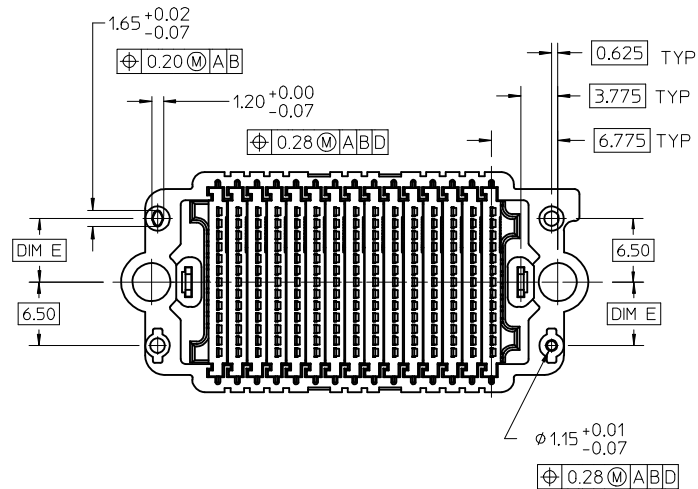
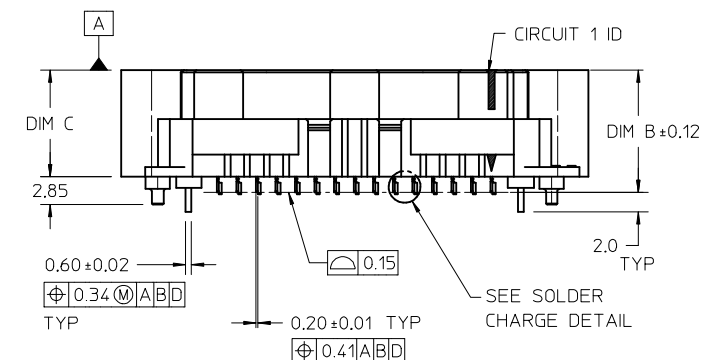
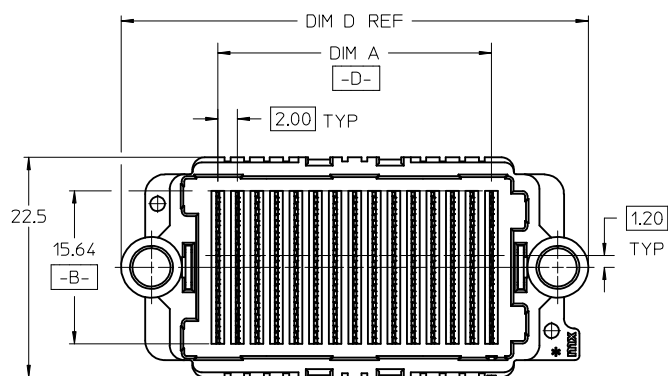
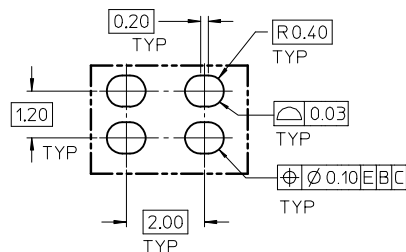
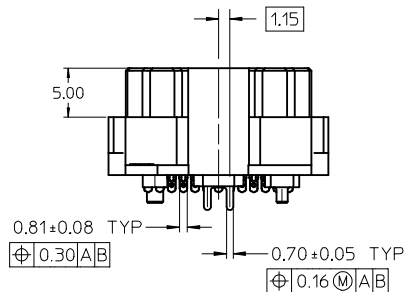
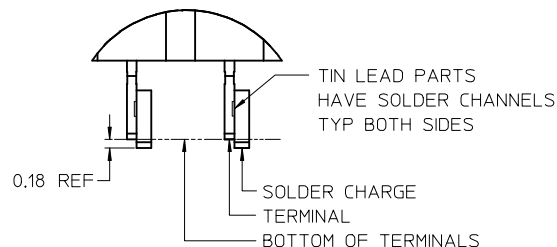




SOLDER CHARGE DETAIL

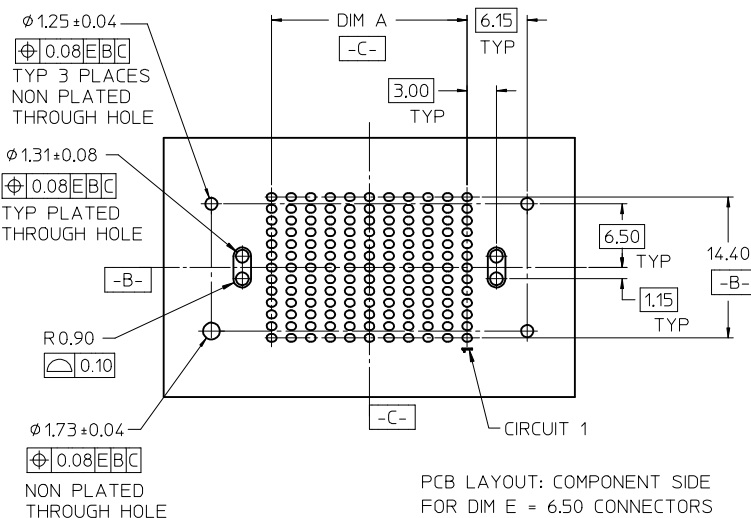


SOLDER PAD DETAIL

MOD LASER MARKING	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	MM ONLY	INCH			
EC NO: UCP2013-3872 DRWN: TIBARRA 2013/03/11 CHKD: BBARKER 2013/03/12 APPR: SMILLER 2013/03/19	REV	F=0 F=0 F=0	4 PLACES	± ---	± ---		DRAWN BY	DATE	TITLE
			3 PLACES	± 0.050	± ---		TGREGORI	2010/10/06	
			2 PLACES	± 0.15	± ---		CHECKED BY	DATE	APPROVED BY
			1 PLACE	± 0.3	± ---		JCOMERCI	2010/10/22	
			0 PLACE	±	±		MATERIAL NO.	DATE	DOCUMENT NO.
			ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE		

NOTES:

- HOUSING MATERIAL: LCP, GLASS FILLED, UL 94V-0, BLACK
CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
SOLDER NAIL MATL: STAINLESS STEEL
SOLDER CHARGE MATL: SEE CHART
- FINISH: SELECT GOLD 30 M.I. MIN IN CONTACT AREA
SELECT TIN: 100 M.I. MIN 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-45802-002 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

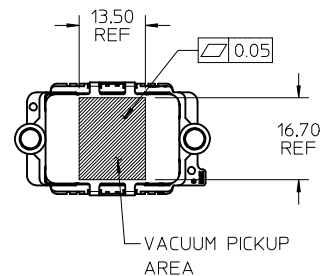


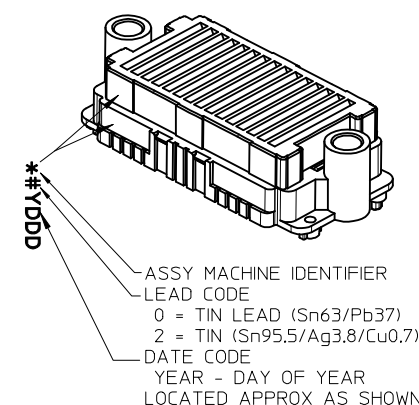
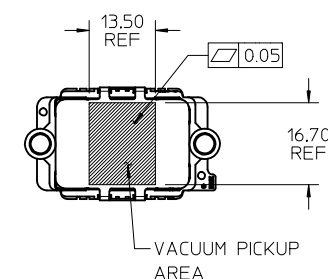
PCB LAYOUT: COMPONENT SIDE
FOR DIM E = 6.50 CONNECTORS
PCB THICKNESS: NA

HIGH DENSITY MEZZANINE
RECEPTACLE ASSEMBLY

molex

DRAWING NO.		DOCUMENT NO.		SHEET NO.	
SEE TABLE		SD-45802-0001		1 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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						
	07	12.00	31,89	45802-0007	45802-3007	45802-2007	45802-8007	45802-4007	45802-9007	45802-6007	45802-7007	45802-5007	45802-1007										
	09	16.00	35,89	45802-0009	45802-3009	45802-2009	45802-8009	45802-4009	45802-9009	45802-6009	45802-7009	45802-5009	45802-1009										
	11	20.00	39,89	45802-0011	45802-3011	45802-2011	45802-8011	45802-4011	45802-9011	45802-6011	45802-7011	45802-5011	45802-1011										
	13	24.00	43,89	45802-0013	45802-3013	45802-2013	45802-8013	45802-4013	45802-9013	45802-6013	45802-7013	45802-5013	45802-1013										
	15	28.00	47,89	45802-0015	45802-3015	45802-2015	45802-8015	45802-4015	45802-9015	45802-6015	45802-7015	45802-5015	45802-1015										
	17	32.00	51,89	45802-0017	45802-3017	45802-2017	45802-8017	45802-4017	45802-9017	45802-6017	45802-7017	45802-5017	45802-1017										
E	19	36.00	55,89	45802-0019	45802-3019	45802-2019	45802-8019	45802-4019	45802-9019	45802-6019	45802-7019	45802-5019	45802-1019										
	21	40.00	59,89	45802-0021	45802-3021	45802-2021	45802-8021	45802-4021	45802-9021	45802-6021	45802-7021	45802-5021	45802-1021										
	23	44.00	63,89	45802-0123	45802-3023	45802-2023	45802-8023	45802-4023	45802-9023	45802-6023	45802-7023	45802-5023	45802-1123										
	25	48.00	67,89	45802-0025	45802-3025	45802-2025	45802-8025	45802-4025	45802-9025	45802-6025	45802-7025	45802-5025	45802-1025										
	27	52.00	71,89	45802-0027	45802-3027	45802-2027	45802-8027	45802-4027	45802-9027	45802-6027	45802-7027	45802-5027	45802-1027										
																							
																							



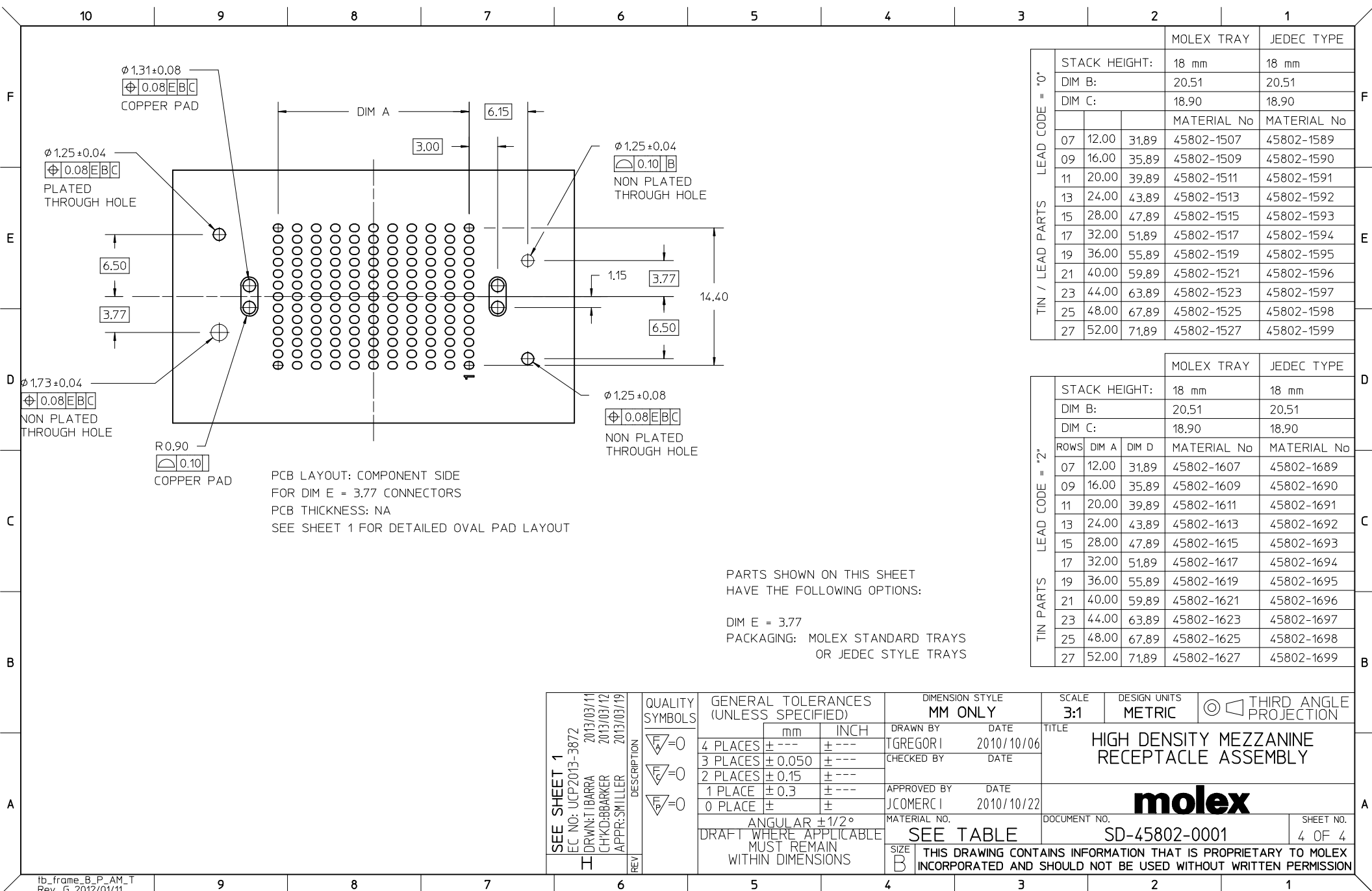
D	TIN PARTS LEAD CODE = "2"			STACK HEIGHT:		8 mm	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm	17 mm	18 mm
				DIM B:		10.51	11.51	12.51	13.51	14.51	15.51	16.51	17.51	19.51	20.51
				DIM C:		8.90	9.90	10.90	11.90	12.90	13.90	14.90	15.90	17.90	18.90
ROWS				DIM A	DIM D	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No	MATERIAL No
C	07	12.00	31.89	45802-0207	45802-3207	45802-2207	45802-8207	45802-4207	45802-9207	45802-6207	45802-7207	45802-5207	45802-1207		
	09	16.00	35.89	45802-0209	45802-3209	45802-2209	45802-8209	45802-4209	45802-9209	45802-6209	45802-7209	45802-5209	45802-1209		
	11	20.00	39.89	45802-0311	45802-3211	45802-2211	45802-8211	45802-4211	45802-9211	45802-6211	45802-7211	45802-5211	45802-1211		
	13	24.00	43.89	45802-0213	45802-3213	45802-2213	45802-8213	45802-4213	45802-9213	45802-6213	45802-7213	45802-5213	45802-1213		
	15	28.00	47.89	45802-0215	45802-3215	45802-2215	45802-8215	45802-4215	45802-9215	45802-6215	45802-7215	45802-5215	45802-1215		
	17	32.00	51.89	45802-0217	45802-3217	45802-2217	45802-8217	45802-4217	45802-9217	45802-6217	45802-7217	45802-5217	45802-1217		
	19	36.00	55.89	45802-0219	45802-3219	45802-2219	45802-8219	45802-4219	45802-9219	45802-6219	45802-7219	45802-5219	45802-1219		
B	21	40.00	59.89	45802-0221	45802-3221	45802-2221	45802-8221	45802-4221	45802-9221	45802-6221	45802-7221	45802-5221	45802-1221		
	23	44.00	63.89	45802-0223	45802-3223	45802-2223	45802-8223	45802-4223	45802-9223	45802-6223	45802-7223	45802-5223	45802-1223		
	25	48.00	67.89	45802-0225	45802-3225	45802-2225	45802-8225	45802-4225	45802-9225	45802-6225	45802-7225	45802-5225	45802-1225		
	27	52.00	71.89	45802-0227	45802-3227	45802-2227	45802-8227	45802-4227	45802-9227	45802-6227	45802-7227	45802-5227	45802-1227		

PARTS SHOWN ON THIS SHEET
HAVE THE FOLLOWING OPTIONS:

DIM E = 6.50
PACKAGING: MOLEX STANDARD TRAYS

A	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: UCP2013-3872 2013/03/11 DRWNT:IBARRA 2013/03/12 CHKD:HBARKER 2013/03/19 APPR:SMILLER	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY
				$\nabla = 0$	4 PLACES	mm	INCH	DRAWN BY TGREGOR I	DATE 2010/10/06	molex		
				$\nabla = 0$	3 PLACES	± 0.050	$\pm \text{---}$	CHECKED BY	DATE			
				$\nabla = 0$	2 PLACES	± 0.15	$\pm \text{---}$	APPROVED BY	DATE			
					1 PLACE	± 0.3	$\pm \text{---}$	JCOMERC I	2010/10/22		SHEET NO. 2 OF 4	
	0 PLACE	$\pm$	$\pm$	MATERIAL NO.	DOCUMENT NO. SD-45802-0001							
	ANGULAR $\pm 1/2^\circ$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

F	TIN / LEAD PARTS	LEAD CODE = "0"	10		9		8		7		6		5		4		3		2		1	
			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								
					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	45802-0089	45802-3089	45802-2089	45802-8089	45802-4089	45802-9089	45802-6089	45802-7089	45802-5089	45802-1089								
			09	16.00 35.89	45802-0090	45802-3090	45802-2090	45802-8090	45802-4090	45802-9090	45802-6090	45802-7090	45802-5090	45802-1090								
			11	20.00 39.89	45802-0091	45802-3091	45802-2091	45802-8091	45802-4091	45802-9091	45802-6091	45802-7091	45802-5091	45802-1091								
			13	24.00 43.89	45802-0092	45802-3092	45802-2092	45802-8092	45802-4092	45802-9092	45802-6092	45802-7092	45802-5092	45802-1092								
			15	28.00 47.89	45802-0093	45802-3093	45802-2093	45802-8093	45802-4093	45802-9093	45802-6093	45802-7093	45802-5093	45802-1093								
			17	32.00 51.89	45802-0094	45802-3094	45802-2094	45802-8094	45802-4094	45802-9094	45802-6094	45802-7094	45802-5094	45802-1094								
			19	36.00 55.89	45802-0095	45802-3095	45802-2095	45802-8095	45802-4095	45802-9095	45802-6095	45802-7095	45802-5095	45802-1095								
			21	40.00 59.89	45802-0096	45802-3096	45802-2096	45802-8096	45802-4096	45802-9096	45802-6096	45802-7096	45802-5096	45802-1096								
23	44.00 63.89	45802-0097	45802-3097	45802-2097	45802-8097	45802-4097	45802-9097	45802-6097	45802-7097	45802-5097	45802-1097											
25	48.00 67.89	45802-0098	45802-3098	45802-2098	45802-8098	45802-4098	45802-9098	45802-6098	45802-7098	45802-5098	45802-1098											
27	52.00 71.89	45802-0099	45802-3099	45802-2099	45802-8099	45802-4099	45802-9099	45802-6099	45802-7099	45802-5099	45802-1099											
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								
					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	45802-0289	45802-3289	45802-2289	45802-8289	45802-4289	45802-9289	45802-6289	45802-7289	45802-5289	45802-1289								
			09	16.00 35.89	45802-0290	45802-3290	45802-2290	45802-8290	45802-4290	45802-9290	45802-6290	45802-7290	45802-5290	45802-1290								
			11	20.00 39.89	45802-0291	45802-3291	45802-2291	45802-8291	45802-4291	45802-9291	45802-6291	45802-7291	45802-5291	45802-1291								
			13	24.00 43.89	45802-0292	45802-3292	45802-2292	45802-8292	45802-4292	45802-9292	45802-6292	45802-7292	45802-5292	45802-1292								
			15	28.00 47.89	45802-0293	45802-3293	45802-2293	45802-8293	45802-4293	45802-9293	45802-6293	45802-7293	45802-5293	45802-1293								
			17	32.00 51.89	45802-0294	45802-3294	45802-2294	45802-8294	45802-4294	45802-9294	45802-6294	45802-7294	45802-5294	45802-1294								
			19	36.00 55.89	45802-0295	45802-3295	45802-2295	45802-8295	45802-4295	45802-9295	45802-6295	45802-7295	45802-5295	45802-1295								
			21	40.00 59.89	45802-0296	45802-3296	45802-2296	45802-8296	45802-4296	45802-9296	45802-6296	45802-7296	45802-5296	45802-1296								
			23	44.00 63.89	45802-0297	45802-3297	45802-2297	45802-8297	45802-4297	45802-9297	45802-6297	45802-7297	45802-5297	45802-1297								
25	48.00 67.89	45802-0298	45802-3298	45802-2298	45802-8298	45802-4298	45802-9298	45802-6298	45802-7298	45802-5298	45802-1298											
27	52.00 71.89	45802-0299	45802-3299	45802-2299	45802-8299	45802-4299	45802-9299	45802-6299	45802-7299	45802-5299	45802-1299											
A			SEE SHEET 1 EC NO: UCP2013-3872 DRWN: TIBARRA 2013/03/11 CHKD: BARKER 2013/03/12 APPR: SMILLER 2013/03/19	DESCRIPTION REV	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		PARTS SHOWN ON THIS SHEET HAVE THE FOLLOWING OPTIONS: DIM E = 6.50 PACKAGING: JEDEC STYLE TRAYS							
									DRAWN BY DATE TGREGOR I 2010/10/06		TITLE HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY											
									CHECKED BY DATE													
									APPROVED BY DATE JCOMERC I 2010/10/22													
									MATERIAL NO.		DOCUMENT NO.		SHEET 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		3 OF 4									



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

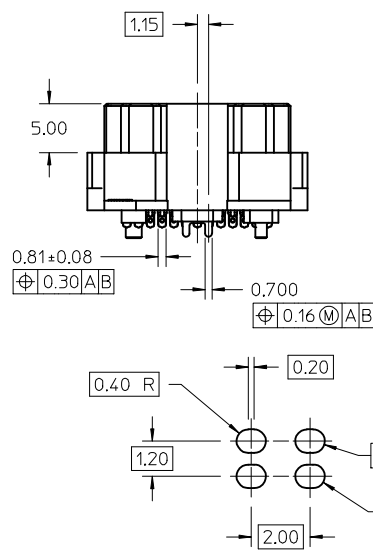
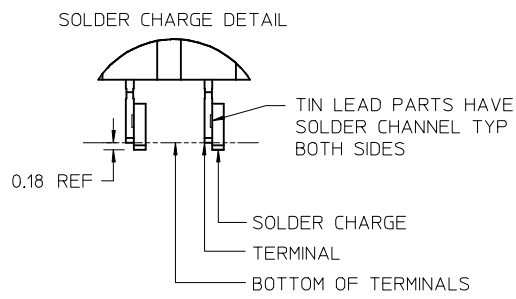
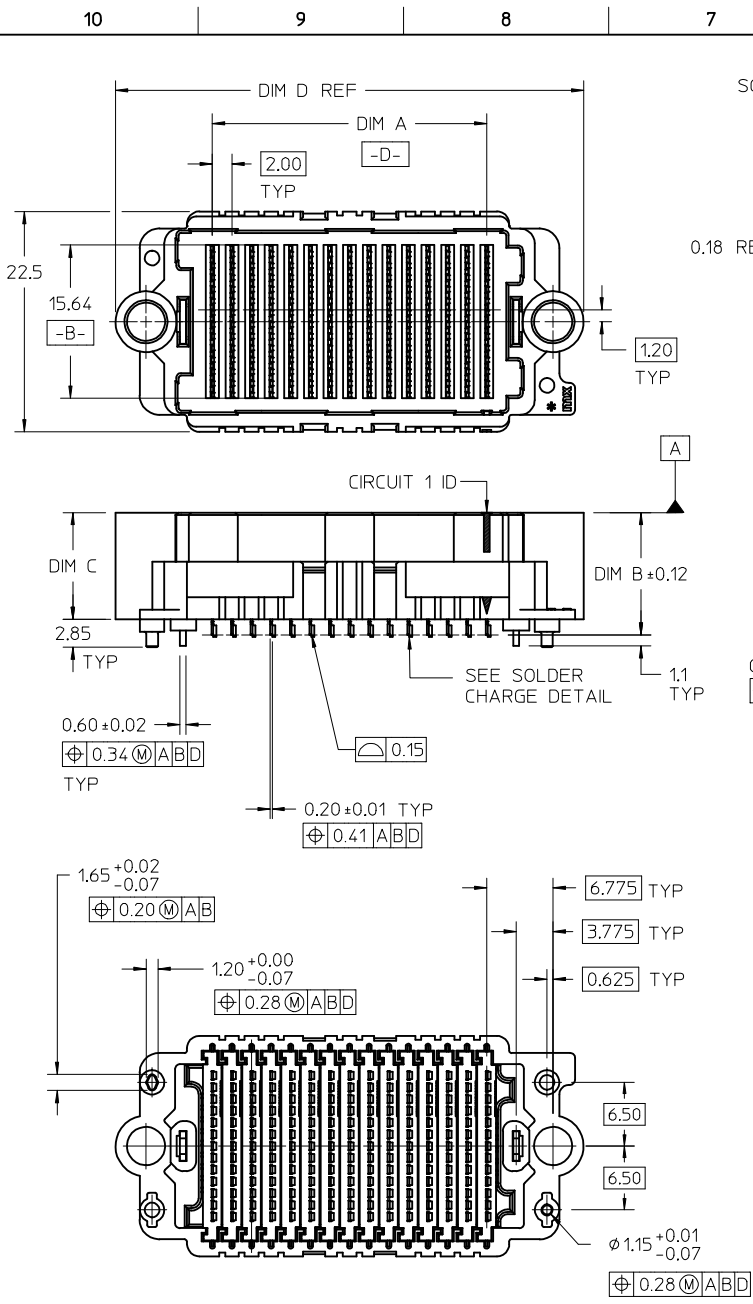
PARTS SHOWN ON THIS SHEET
HAVE THE FOLLOWING OPTIONS:

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"					
19	36.00	55.89	45802-1619	45802-1695	
21	40.00	59.89	45802-1621	45802-1696	
23	44.00	63.89	45802-1623	45802-1697	
25	48.00	67.89	45802-1625	45802-1698	
27	52.00	71.89	45802-1627	45802-1699	

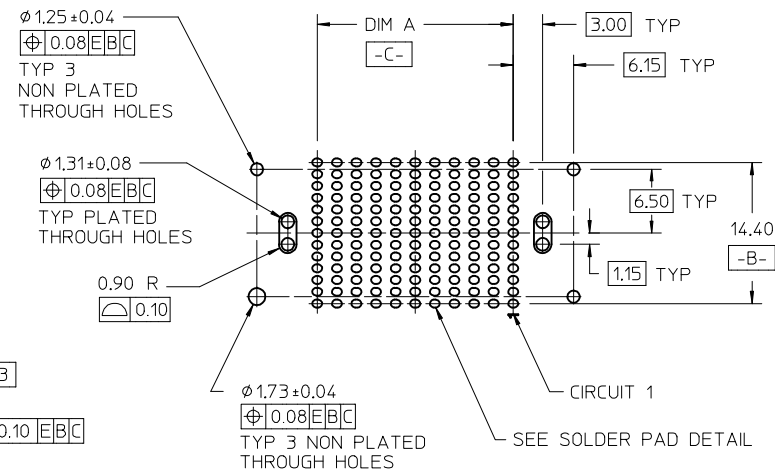
SEE SHEET 1 EC NO: UCP2013-3872 DRWN: TIBARRA 2013/03/11 CHKD: BBARKER 2013/03/12 APPR: SMILLER 2013/03/19	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.050 ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE T GREGORI 2010/10/06 CHECKED BY DATE APPROVED BY DATE J COMERC I 2010/10/22 MATERIAL NO. SEE TABLE	SCALE 3:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY molex DOCUMENT NO. SD-45802-0001 SHEET NO. 4 OF 4



SOLDER PAD DETAIL
TYP ALL PADS

NOTES:

- HOUSING MATERIAL: LCP, GLASS FILLED, UL 94V-0, BLACK
CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
SOLDER NAIL MATERIAL: STAINLESS STEEL
SOLDER CHARGE: SEE CHART
- FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA
SELECT TIN: 100 MI MIN IN TAIL AREA
BOTH OVER NICKEL
- PRODUCT SPECIFICATION: PS-45802-001
- PACKAGING SPECIFICATION: PK-45802-001
- 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.



PCB LAYOUT: COMPONENT SIDE
PCB THICKNESS: N/A

MOD LASER MARKING EC NO: UCP2013-3872 DRWN: TIBARRA 2013/03/11 CHKD: BARKER 2013/03/12 APPR: MILLER 2013/03/19	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	HIGH DENSITY MEZZANINE RECEPTACLE ASSEMBLY WITH SHORT SOLDER NAILS molex SD-45802-0002	SHEET NO. 1 OF 3
				mm	INCH	DRAWN BY TGREGORI	DATE 2010/10/06	TITLE			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± 0.05	± ---						
			2 PLACES	± 0.15	± ---						
			1 PLACE	± 0.30	± ---	APPROVED BY JCOMERCI	DATE 2010/10/22				
			0 PLACE	±	±	MATERIAL NO.		DOCUMENT NO.			
			ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE B		SEE TABLE			
	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

F E D C B A	TIN / LEAD PARTS <
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