

6

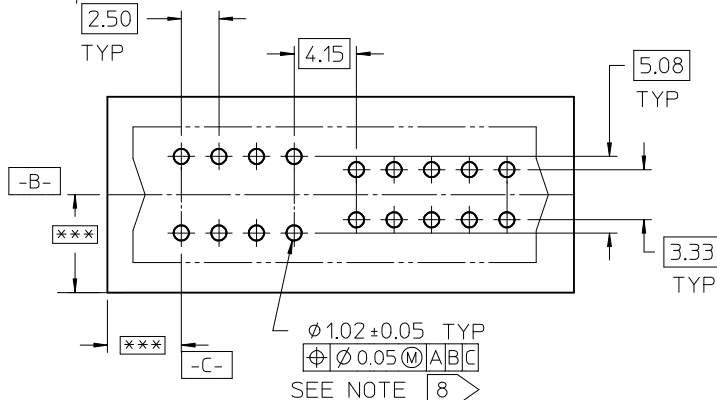
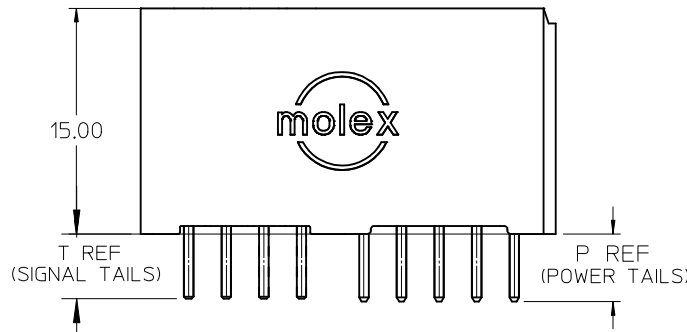
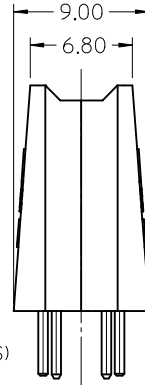
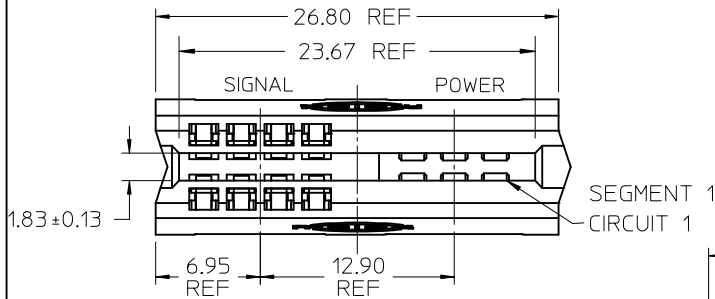
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PCB LAYOUT: COMPONENT SIDE

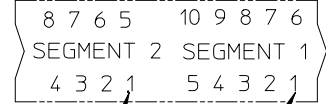
*** = TO BE DETERMINED BY CUSTOMER

RECOMMENDED EDGE CARD LAYOUT:
EDGE CARD THICKNESS: 1.57/1.062
PLATING: GOLD 30 μINCHES MIN
OVER 150 μINCHES NICKEL

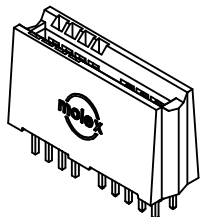
MOLEX P/N 45911-0001 SHOWN

NOTES:

1. MATERIAL: HOUSING - LCP, UL94V-0, BLACK
MATERIAL: TERMINALS - COPPER ALLOY
2. FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA
SELECT TIN: 150 MI MIN IN PC TAIL AREA
BOTH OVER NICKEL: 50 MI MIN
3. PRODUCT SPECIFICATION: PS-45719-001.
4. PACKAGING SPECIFICATION: ES-45714-001.
5. PCB THICKNESS: SEE CHART
6. EDGE CARD THICKNESS: 1.57±0.08
7. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
8. PCB HOLE SIZE SPECIFICATION: SEE PS-45719-001
9. POWER TERMINALS ARE LUBRICATED.
10. THIS EDGE WILL TOUCH HOUSING WHEN EDGE CARD IS FULLY SEATED

SEGMENT 2
CIRCUIT 1SEGMENT 1
CIRCUIT 1

TOOLING STATUS	MATERIAL NUMBER	SEGMENT 2	SEGMENT 1	DIM P DIM T	PCB THK
TOOLED	45911-0001	SIGNAL	POWER	4.50	3.18
TOOLED	45911-0002	POWER	SIGNAL	4.33	2.36
TOOLED	45911-0003	SIGNAL	POWER	3.19	1.57
TOOLED	45911-0004	POWER	SIGNAL	3.19	1.57



DEL 5, 6 CKT PARTS
EC NO: UCP2015-2755
DRWN: JSCHAFFER 2015/08/07
CHKD: APPEL 2015/09/01
APPR: APPEL
K5

QUALITY SYMBOLS
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
SAMIEC	2005/04/14
CHECKED BY	DATE
SAMIEC	2005/04/14
APPROVED BY	DATE
MARGULIS	2005/04/14

MATERIAL NUMBER
SEE CHART

SIZE
ASCALE
2:1DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

POWER EDGE ASSEMBLY
POWER / SIGNAL MIXED
VERTICAL SOLDER TAIL
MOLEX INCORPORATED

DOCUMENT NO.
SD-45911-001SHEET NO.
1 OF 4

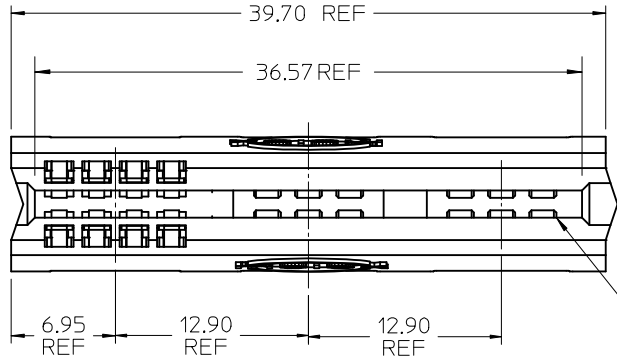
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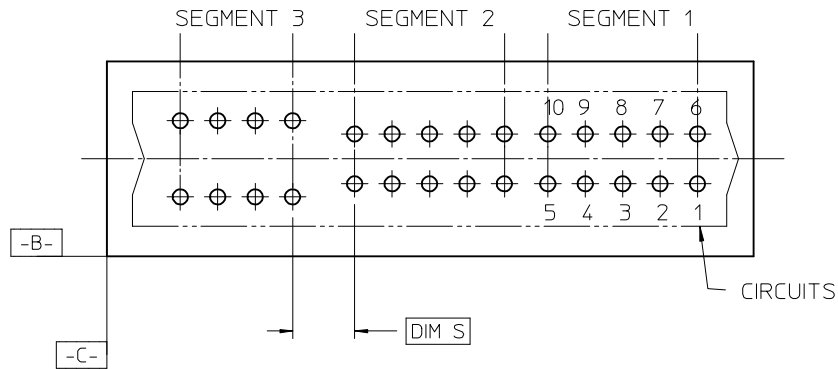
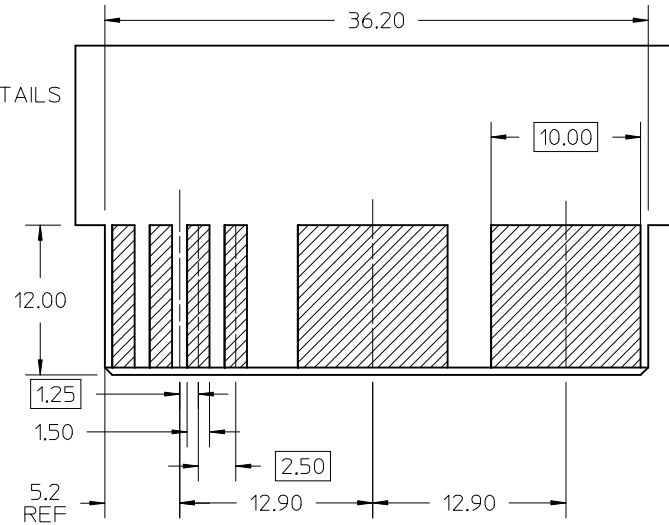
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2

1



RECOMMENDED
EDGE CARD
LAYOUT
SEE SHT 1 FOR ADDITIONAL DETAILS
TOLERANCE:±0.05

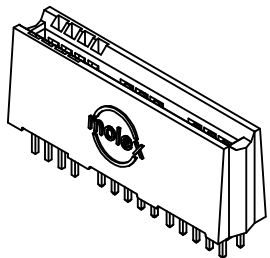


DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

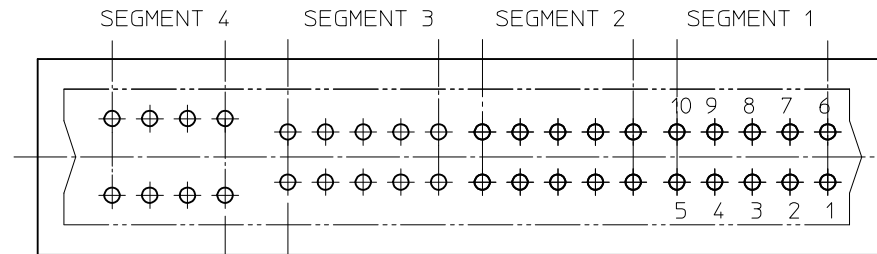
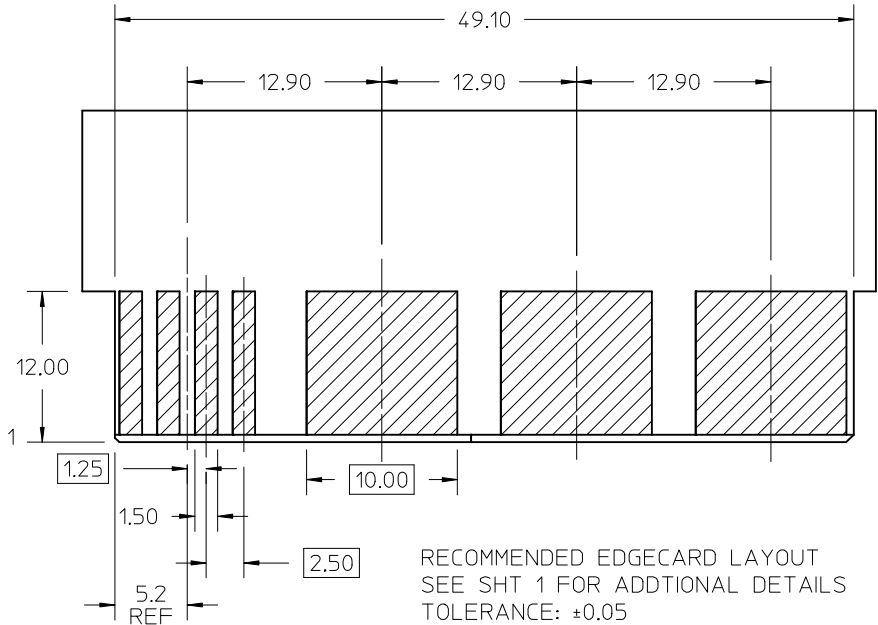
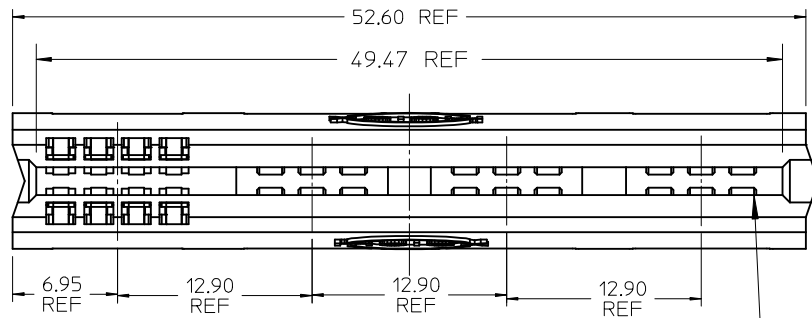
PCB LAYOUT: COMPONENT SIDE

MATERIAL NUMBER: 45911-0007 SHOWN
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS

TOOLING STATUS	MATERIAL NUMBER	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{DIM P}{DIM T}$	PCB THK
TOOLED	45911-0007	SIGNAL	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36
TOOLED	45911-0008	POWER	SIGNAL	POWER		
TOOLED	45911-0009	SIGNAL	SIGNAL	POWER		
TOOLED	45911-0010	SIGNAL	POWER	SIGNAL		
TOOLED	45911-0011	POWER	SIGNAL	SIGNAL		
TOOLED	45911-0012	POWER	POWER	SIGNAL	$\frac{3.19}{3.19}$	1.57
TOOLED	45911-0013	SIGNAL	POWER	POWER		
TOOLED	45911-0014	POWER	SIGNAL	POWER		
TOOLED	45911-0015	SIGNAL	SIGNAL	POWER		
TOOLED	45911-0016	SIGNAL	POWER	SIGNAL		
TOOLED	45911-0017	POWER	SIGNAL	SIGNAL		
TOOLED	45911-0018	POWER	POWER	SIGNAL		



EC NO: UCP2015-2755 DRWN: JSCHAFER 2015/08/07 CHKD: APPR: APATEL 2015/09/01 REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY DATE		TITLE			
			4 PLACES	± ---	± ---	SAMIEC 2005/04/14		POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL			
			3 PLACES	± ---	± ---	CHECKED BY DATE					
			2 PLACES	± 0.25	± ---	SAMIEC 2005/04/14					
			1 PLACE	± 0.25	± ---	APPROVED BY DATE		molex MOLEX INCORPORATED			
			ANGULAR ± 1/2°			MARGUL IS 2005/04/14					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NUMBER SEE CHART		DOCUMENT NO. SD-45911-001				SHEET NO. 2 OF 4		
			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

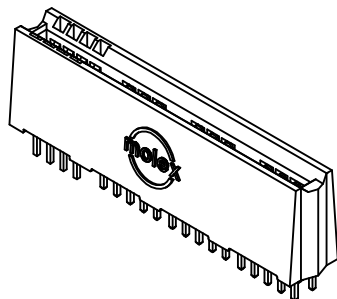




DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
 DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
 DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

SEE CHART ON SHEET 4
 FOR MATERIAL NUMBERS

PART NUMBER 45911-0025
 SHOWN FOR REFERENCE

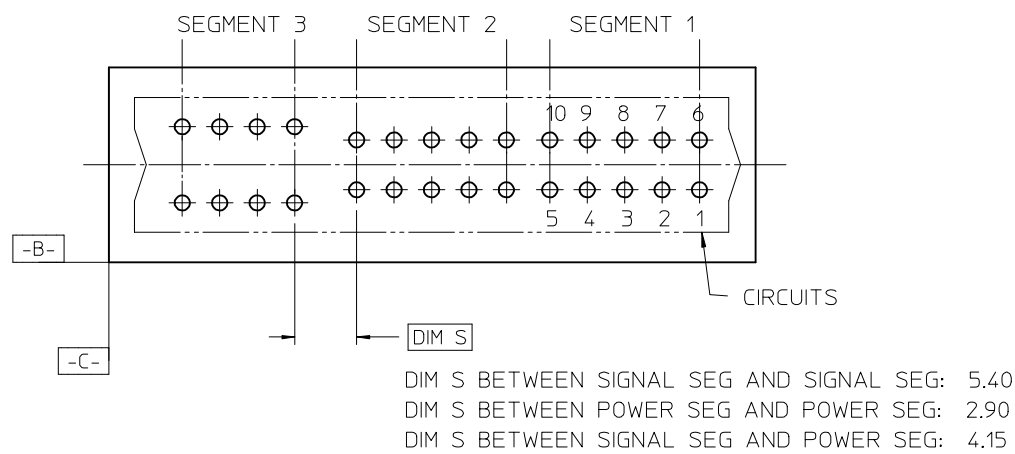


EC NO: UCP2015-2755 DRWN: JSCHAFER 2015/08/07 CHKD: APPR: APATEL 2015/09/01 K5			DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL  MOLEX INCORPORATED	
						mm	INCH	DRAWN BY DATE		TITLE				
					4 PLACES	± ---	± ---	SAMI EC 2005/04/14						
					3 PLACES	± ---	± ---	CHECKED BY DATE						
					2 PLACES	± 0.25	± ---	SAMI EC 2005/04/14						
					1 PLACE	± 0.25	± ---	APPROVED BY DATE						
			ANGULAR ±1/2°			MARGULIS 2005/04/14								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NUMBER		DOCUMENT NO.		SHEET NO.				
						SEE CHART ON SHEET 4		SD-45911-001		3				
						SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

D	6		5			4		3			2			1																						
	TOOLING STATUS	MATERIAL NUMBER	SEGMENT 4	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{\text{DIM P}}{\text{DIM T}}$	PCB THK		TOOLING STATUS	MATERIAL NUMBER	SEGMENT 4	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{\text{DIM P}}{\text{DIM T}}$	PCB THK																			
	TOOLED	45911-0025	SIGNAL	POWER	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36		TOOLED	45911-0039	SIGNAL	POWER	POWER	POWER	$\frac{3.19}{3.19}$	1.57																			
	TOOLED	45911-0026	POWER	SIGNAL	POWER	POWER				TOOLED	45911-0040	POWER	SIGNAL	POWER	POWER																					
	TOOLED	45911-0027	SIGNAL	SIGNAL	POWER	POWER				TOOLED	45911-0041	SIGNAL	SIGNAL	POWER	POWER																					
	TOOLED	45911-0028	SIGNAL	POWER	SIGNAL	POWER				TOOLED	45911-0042	SIGNAL	POWER	SIGNAL	POWER																					
	TOOLED	45911-0029	POWER	SIGNAL	SIGNAL	POWER				TOOLED	45911-0043	POWER	SIGNAL	SIGNAL	POWER																					
	TOOLED	45911-0030	POWER	POWER	SIGNAL	POWER				TOOLED	45911-0044	POWER	POWER	SIGNAL	POWER																					
	TOOLED	45911-0031	SIGNAL	SIGNAL	SIGNAL	POWER				TOOLED	45911-0045	SIGNAL	SIGNAL	SIGNAL	POWER																					
	TOOLED	45911-0032	SIGNAL	POWER	POWER	SIGNAL				TOOLED	45911-0046	SIGNAL	POWER	POWER	SIGNAL																					
	TOOLED	45911-0033	POWER	SIGNAL	POWER	SIGNAL				TOOLED	45911-0047	POWER	SIGNAL	POWER	SIGNAL																					
	TOOLED	45911-0034	SIGNAL	SIGNAL	POWER	SIGNAL				TOOLED	45911-0048	SIGNAL	SIGNAL	POWER	SIGNAL																					
	C	TOOLED	45911-0035	SIGNAL	POWER	SIGNAL	SIGNAL		TOOLED	45911-0049	SIGNAL	POWER	SIGNAL	SIGNAL																						
		TOOLED	45911-0036	POWER	SIGNAL	SIGNAL	SIGNAL		TOOLED	45911-0050	POWER	SIGNAL	SIGNAL	SIGNAL																						
		TOOLED	45911-0037	POWER	POWER	SIGNAL	SIGNAL		TOOLED	45911-0051	POWER	POWER	SIGNAL	SIGNAL																						
		TOOLED	45911-0038	POWER	POWER	POWER	SIGNAL		TOOLED	45911-0052	POWER	POWER	POWER	SIGNAL																						
	B																		A																	

6 5 4 3 2 1

MATERIAL NUMBER: 45911-0907 SHOWN
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS



PCB LAYOUT: COMPONENT SIDE

MATERIAL NUMBER	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{DIM P}{DIM T}$	PCB THK
45911-0907	SIGNAL	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36
45911-0908	POWER	SIGNAL	POWER		
45911-0909	SIGNAL	SIGNAL	POWER		
45911-0910	SIGNAL	POWER	SIGNAL		
45911-0911	POWER	SIGNAL	SIGNAL		
45911-0912	POWER	POWER	SIGNAL	$\frac{3.19}{3.19}$	1.57
45911-0913	SIGNAL	POWER	POWER		
45911-0914	POWER	SIGNAL	POWER		
45911-0915	SIGNAL	SIGNAL	POWER		
45911-0916	SIGNAL	POWER	SIGNAL		
45911-0917	POWER	SIGNAL	SIGNAL		
45911-0918	POWER	POWER	SIGNAL		

6

5

4

3

2

1

D

C

B

A

EC NO: UCP2015-0425
DRWN: JSCHAFFER 2011/11/07
CHKD:
APPR: APATEL 2014/08/25

DESCRIPTION
REV

1

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY JSCHAFFER	DATE 2011/11/07
CHECKED BY	DATE
APPROVED BY APATEL	DATE 2014/08/25

MATERIAL NUMBER
SEE CHART

SIZE
A

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

POWER EDGE ASSEMBLY
POWER / SIGNAL MIXED
RT ANGLE SOLDER TAIL

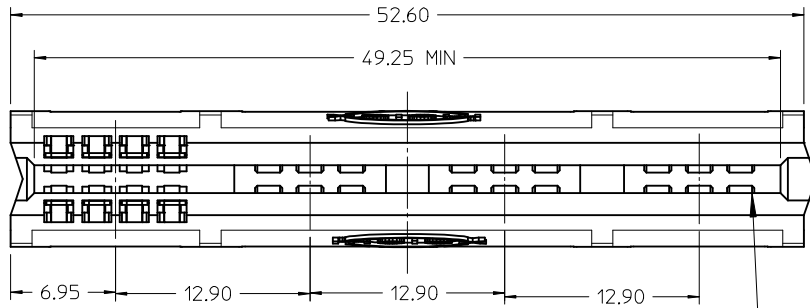
molex

MOLEX INCORPORATED

DOCUMENT NO.
SD-45911-002

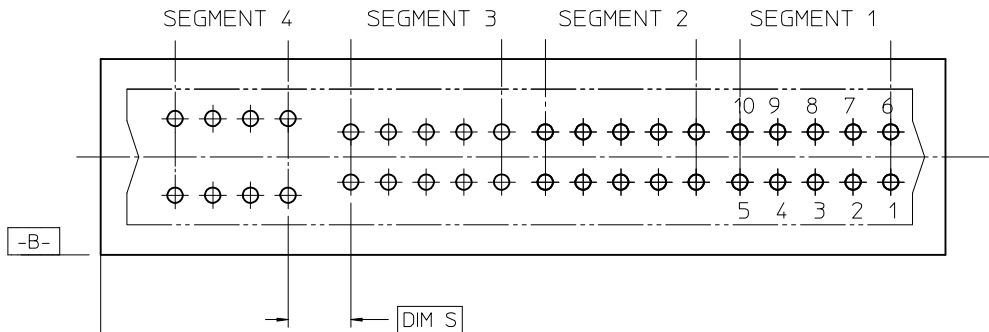
SHEET NO.
2 OF 5

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



SEGMENT 1
CIRCUIT 1

SEE CHART ON SHEET 4
FOR MATERIAL NUMBERS



DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

EC NO: UCP2015-0425 DRWN: JSCHAFAER 2011/11/07 CHKD: APPR: APATEL 2014/08/25 1	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JSCHAFAER	DATE 2011/11/07	TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED RT ANGLE SOLDER TAIL			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---						
			2 PLACES	± 0.25	± ---	APPROVED BY APATEL		DATE 2014/08/25	molex MOLEX INCORPORATED		
			1 PLACE	± 0.25	± ---	MATERIAL NUMBER SEE CHART ON SHEET 4		DOCUMENT NO. SD-45911-002		SHEET NO. 3	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A		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																													
MATERIAL NUMBER						SEG 5						SEG 4						SEG 3						SEG 2						SEG 1						MATERIAL NUMBER						SEG 6						SEG 5						SEG 4						SEG 3						SEG 2						SEG 1											
45911-0954						POWER						SIGNAL						SIGNAL						SIGNAL						SIGNAL						45911-9911						POWER						SIGNAL						SIGNAL						POWER						POWER						SIGNAL											
45911-0955						SIGNAL						SIGNAL						POWER						POWER						POWER						45911-9912						SIGNAL						POWER						SIGNAL						POWER						POWER						SIGNAL											
45911-0956						POWER						POWER						SIGNAL						POWER						POWER						45911-9913						POWER						SIGNAL						SIGNAL						SIGNAL						POWER						POWER											
45911-0957						SIGNAL						SIGNAL						SIGNAL						SIGNAL						POWER						45911-9914						SIGNAL						POWER						SIGNAL						SIGNAL						POWER						POWER											
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45911-0976						SIGNAL						SIGNAL						SIGNAL						SIGNAL						SIGNAL						45911-9934						SIGNAL						SIGNAL						SIGNAL						SIGNAL						SIGNAL						SIGNAL						SIGNAL					
5-SEGMENT ASSEMBLIES																														6-SEGMENT ASSEMBLIES																																																					
ENTER DESCRIPTION EC NO: UCP2015-0425 DRWN: JSCHAFFER 2011/11/07 CHKD: APATEL APPR: APATEL 2014/08/25 REV 1																														QUALITY SYMBOLS						GENERAL TOLERANCES (UNLESS SPECIFIED)						DIMENSION STYLE MM ONLY						SCALE 1.5:1						DESIGN UNITS METRIC						THIRD ANGLE PROJECTION																							
																														F=0												DRAWN BY DATE						TITLE																																			
																														F=0						4 PLACES ± --- ± ---						JSCHAFFER 2011/11/07						POWER EDGE ASSEMBLY																																			
																														F=0						3 PLACES ± --- ± ---						CHECKED BY DATE						POWER / SIGNAL MIXED																																			
																																				2 PLACES ± 0.25 ± ---						SIX SEGMENT PARTS						RT ANGLE SOLDER TAIL																																			
																																				1 PLACE ± 0.25 ± ---						APPROVED BY DATE						MOLEX INCORPORATED																																			
																																				ANGULAR ±1/2°						APATEL 2014/08/25																																									
																																				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						MATERIAL NO. 9999999999						DOCUMENT NO. SD-45911-002						SHEET NO. 5 OF 5																													
																																										SIZE B						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																			
																														tb_frame_B_P_AM_T Rev. F. 2009/06/18						9						8						7						6						5						4						3						2					