

D

C

B

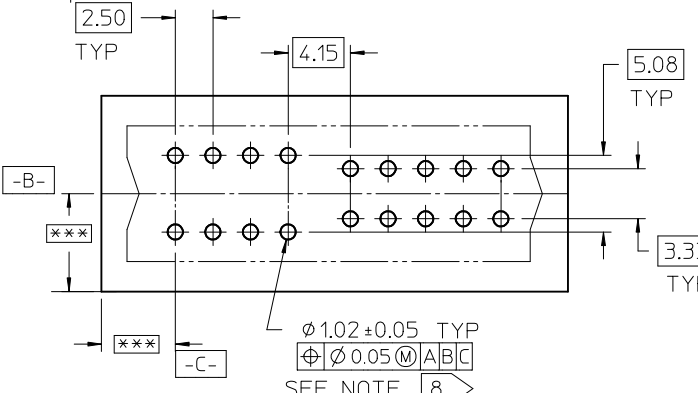
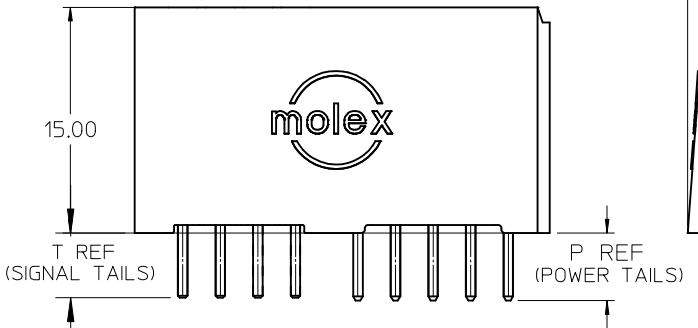
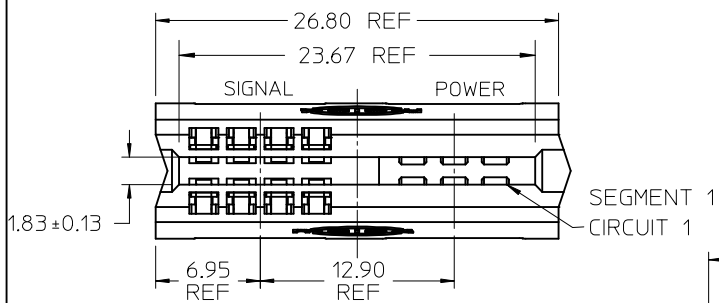
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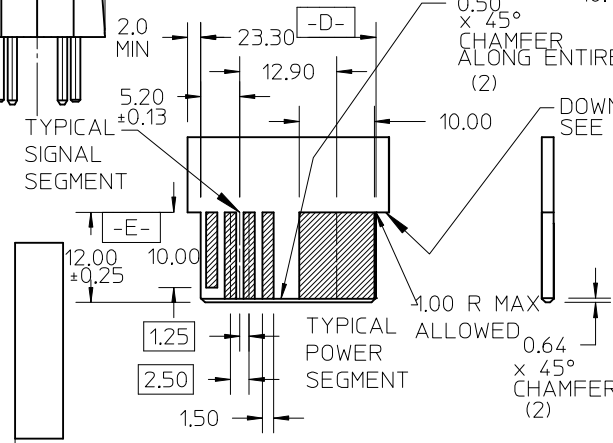
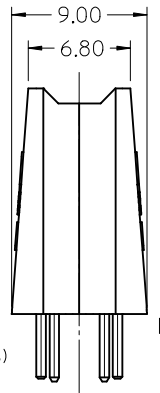
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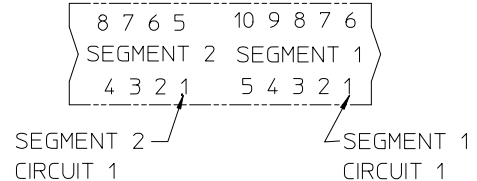
PCB LAYOUT: COMPONENT SIDE
*** = TO BE DETERMINED BY CUSTOMER



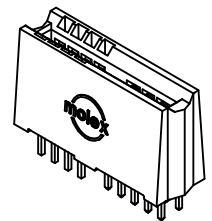
RECOMMENDED EDGE CARD LAYOUT:
EDGE CARD THICKNESS: 1.57 ± 0.062
PLATING: GOLD 30 μINCHES MIN
OVER 150 μINCHES NICKEL

MOLEX P/N 45911-0001 SHOWN

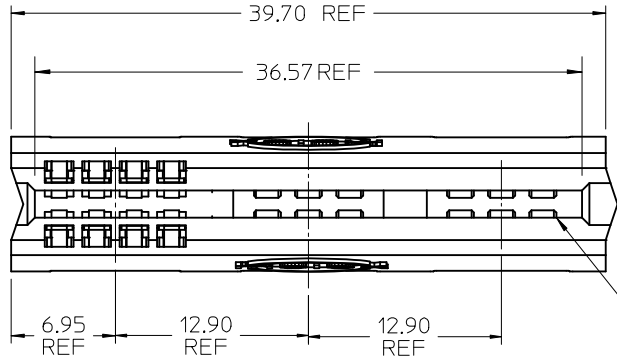
- NOTES:
1. MATERIAL: HOUSING - LCP, UL94V-0, BLACK
MATERIAL: TERMINALS - COPPER ALLOY
 2. FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA
SELECT TIN: 150 MI MIN IN PC TAIL AREA
BOTH OVER NICKEL: 50 MI MIN
 3. PRODUCT SPECIFICATION: PS-45719-001.
 4. PACKAGING SPECIFICATION: ES-45714-001.
 5. PCB THICKNESS: 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



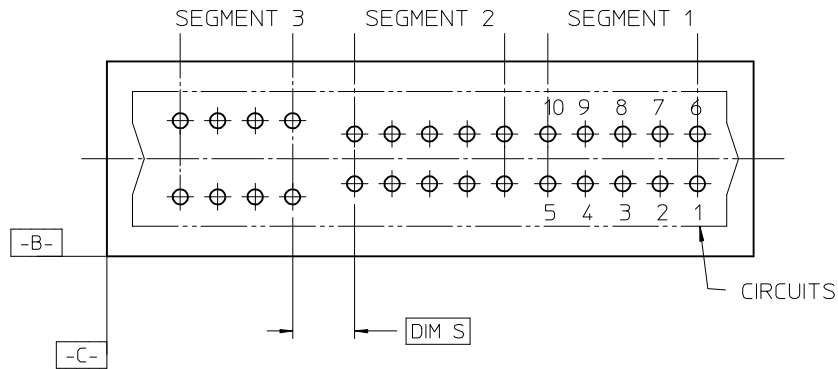
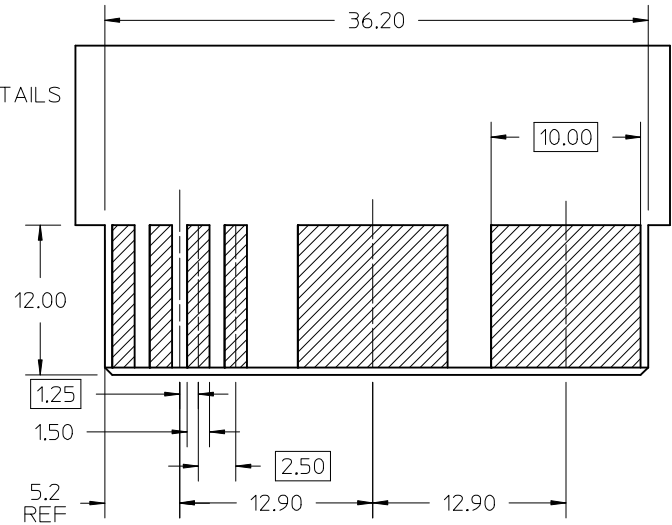
TOOLING STATUS	MATERIAL NUMBER	SEGMENT 2	SEGMENT 1	DIM P / DIM T	PCB THK
TOOLED	45911-0001	SIGNAL	POWER	4.50	3.18
TOOLED	45911-0002	POWER	SIGNAL	4.33	2.36
TOOLED	45911-0003	SIGNAL	POWER	3.19	1.57
TOOLED	45911-0004	POWER	SIGNAL	3.19	



ADD DATUMS D & E EC NO: UCP2014-5371 DRWN: JSCHAFAER 2014/08/27 CHKD: APPR: APATEL 2014/09/03 K4		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
						MM ONLY		2:1	METRIC			
						DRAWN BY	DATE	TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL MOLEX INCORPORATED				
				4 PLACES	± ---	± ---	SAMIEC					2005/04/14
				3 PLACES	± ---	± ---	CHECKED BY					DATE
				2 PLACES	± 0.25	± ---	SAMIEC	2005/04/14	MOLEX			
				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		SD-45911-001		1 OF 4				
				SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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

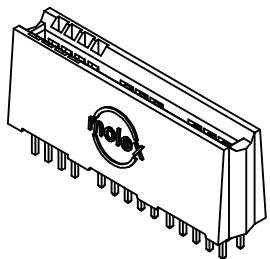


DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

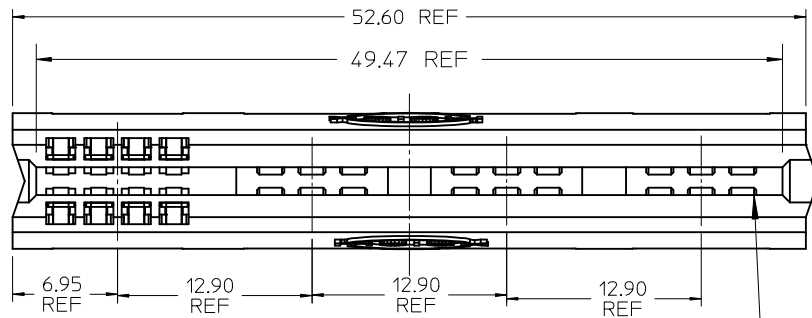
PCB LAYOUT: COMPONENT SIDE

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

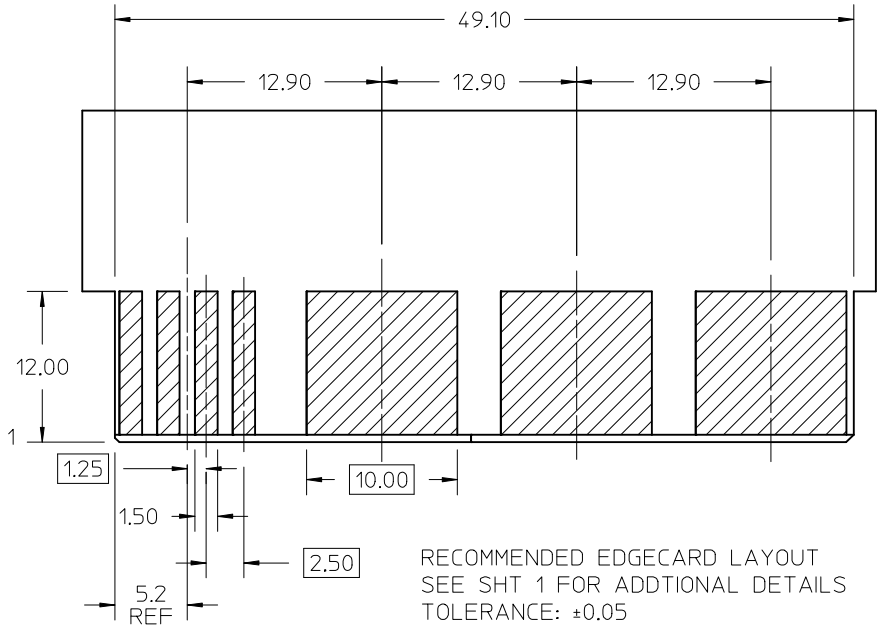
TOOLING STATUS	MATERIAL NUMBER	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{DIM P}{DIM T}$	PCB THK
TOOLED	45911-0007	SIGNAL	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36
TOOLED	45911-0008	POWER	SIGNAL	POWER		
TOOLED	45911-0009	SIGNAL	SIGNAL	POWER		
TOOLED	45911-0010	SIGNAL	POWER	SIGNAL		
TOOLED	45911-0011	POWER	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: UCP2014-5371 DRWN: JSCHAFER CHKD: APPR: APATEL REV K4	DESCRIPTION 2014/08/27 2014/09/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY SAMIEC	DATE 2005/04/14	TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	SAMIEC	2005/04/14			
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE			
			1 PLACE	± 0.25	± ---	MARGULIS	2005/04/14	 MOLEX INCORPORATED		
			ANGULAR ±1/2°			MATERIAL NUMBER SEE CHART			DOCUMENT NO. SD-45911-001	
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						



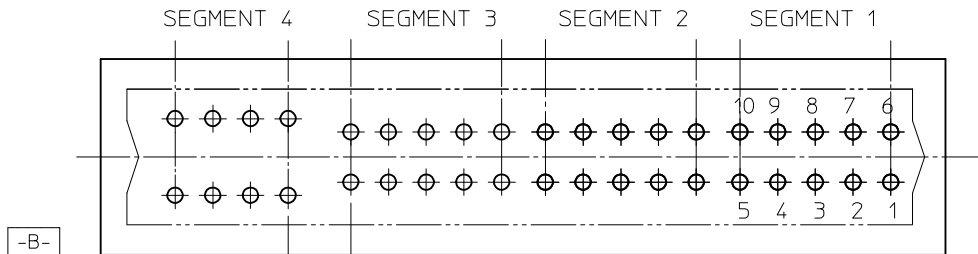
SEGMENT 1
CIRCUIT 1



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

SEE CHART ON SHEET 4
FOR MATERIAL NUMBERS

PART NUMBER 45911-0025
SHOWN FOR REFERENCE



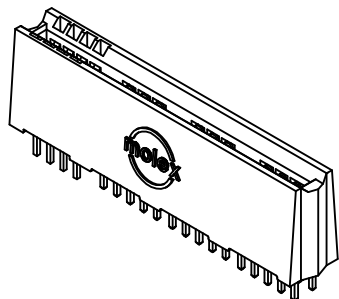
-B-

-C-

DIM S

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: UCP2014-5371 DRWN: JSCHAFER 2014/08/27 CHKD: APPR: APATEL 2014/09/03			DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						mm	INCH	DRAWN BY DATE SAMIEC 2005/04/14		TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL				
					4 PLACES	± ---	± ---	CHECKED BY DATE SAMIEC 2005/04/14						
					3 PLACES	± ---	± ---	APPROVED BY DATE MARGULIS 2005/04/14						
					2 PLACES	± 0.25	± ---	MATERIAL NUMBER SEE CHART ON SHEET 4		DOCUMENT NO. SD-45911-001				SHEET NO. 3
					1 PLACE	± 0.25	± ---							
					ANGULAR ±1/2°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
K4			REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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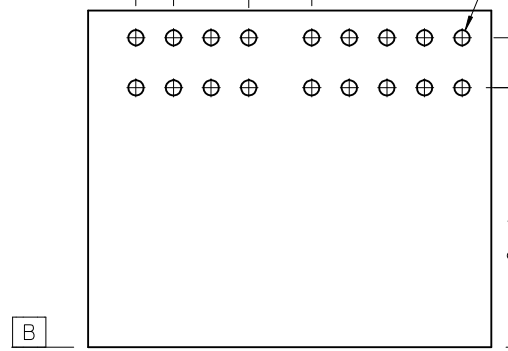
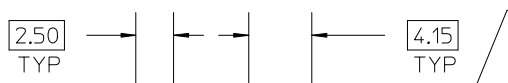
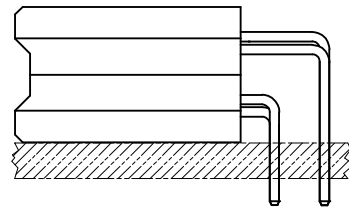
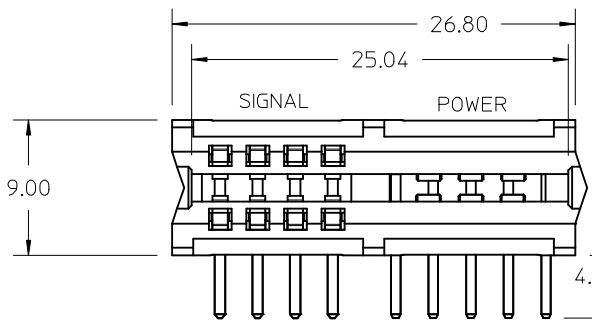
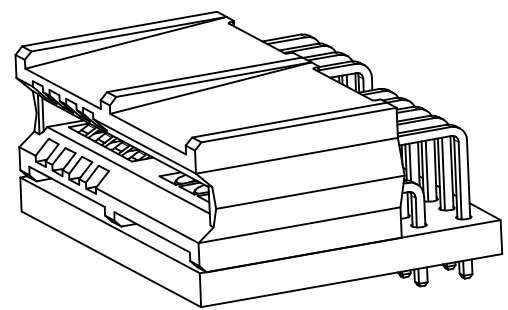
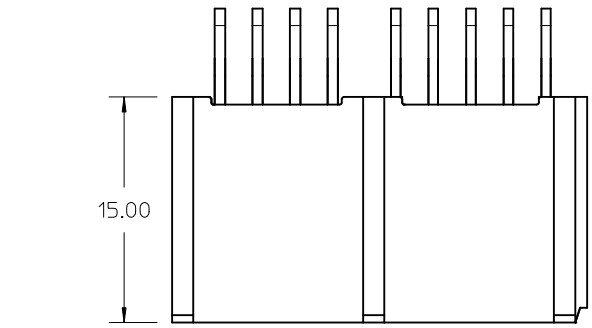
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- NOTES:
1. MATERIAL: HOUSING - LCP, UL94V-0, BLACK
MATERIAL: TERMINALS - COPPER ALLOY
 2. FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA
SELECT TIN: 150 MI MIN IN PC TAIL AREA
BOTH OVER NICKEL: 50 MI MIN
 3. PRODUCT SPECIFICATION: PS-45719-001.
 4. PACKAGING SPECIFICATION: PK-45714-001.
 5. PCB THICKNESS: SEE CHART
 6. EDGE CARD THICKNESS: 1.57±0.15
 7. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
 8. 0.50 X 45°CHAMFER ON LEADING EDGE, TYP 4 SIDES.

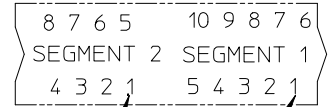
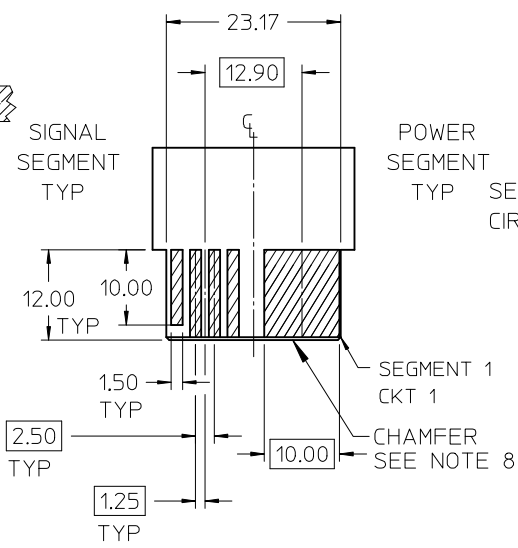


4.17±0.50
TYP

Ø1.02±0.05 TYP
⊕ Ø0.05 M ABC

3.33

17.24 REF
TO PCB EDGE
& CONN EDGE



MATERIAL NUMBER	SEGMENT 2	SEGMENT 1
45911-0901	SIGNAL	POWER
45911-0902	POWER	SIGNAL
45911-0903	SIGNAL	POWER
45911-0904	POWER	SIGNAL
SEE 45844	SIGNAL	SIGNAL
SEE 45719	POWER	POWER

EDGE CARD LAYOUT:
TOLERANCE: ±0.05

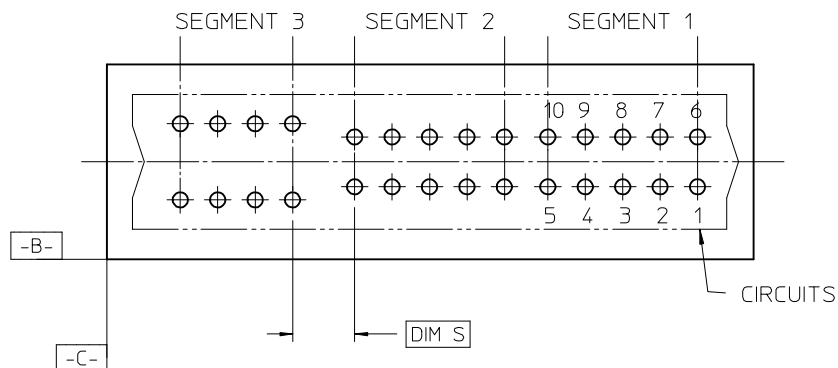
INITIAL RELEASE
EC NO: UCP2015-0425
DRWN: JSCHAFAER 2011/11/07
CHKD: APATEL 2014/08/25
REV 1

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	DATE
JSCHAFAER	2011/11/07
CHECKED BY	DATE
APPROVED BY	DATE
APATEL	2014/08/25
MATERIAL NUMBER	SEE CHART
SIZE	A

SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
POWER EDGE ASSEMBLY POWER / SIGNAL MIXED RT ANGLE SOLDER TAIL		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-45911-002		SHEET NO. 1 OF 5
A/NS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



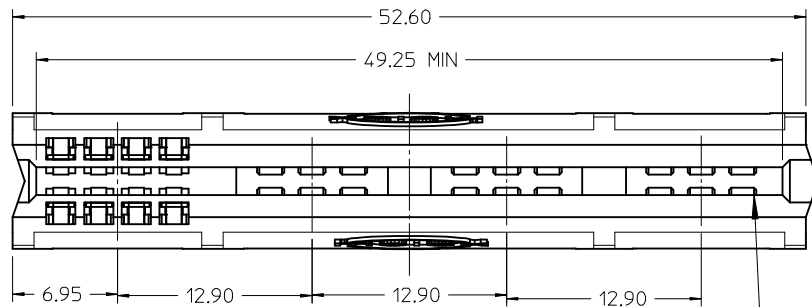
DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

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

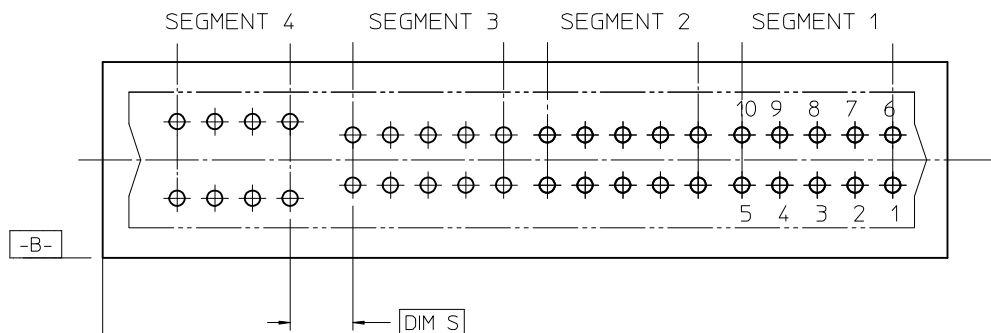
MATERIAL NUMBER	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{DIM P}{DIM T}$	PCB THK
45911-0907	SIGNAL	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36
45911-0908	POWER	SIGNAL	POWER		
45911-0909	SIGNAL	SIGNAL	POWER		
45911-0910	SIGNAL	POWER	SIGNAL		
45911-0911	POWER	SIGNAL	SIGNAL		
45911-0912	POWER	POWER	SIGNAL	$\frac{3.19}{3.19}$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

EC NO: UCP2015-0425 DRWN: JSCHAFFER 2011/11/07 CHKD: APPR: APATEL 2014/08/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JSCHAFFER	DATE 2011/11/07	TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED RT ANGLE SOLDER TAIL MOLEX INCORPORATED	
		4 PLACES	± ---	± ---		CHECKED BY	DATE		
		3 PLACES	± ---	± ---		APPROVED BY APATEL	DATE 2014/08/25		
		2 PLACES	± 0.25	± ---		MATERIAL NUMBER SEE CHART		DOCUMENT NO. SD-45911-002	SHEET NO. 2 OF 5
1	REV	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			



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	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	± ---	± ---	APPROVED BY APATEL					DATE 2014/08/25	MOLEX INCORPORATED
			2 PLACES	± 0.25	± ---	MATERIAL NUMBER SEE CHART ON SHEET 4			DOCUMENT NO. SD-45911-002		SHEET NO. 3	
			1 PLACE	± 0.25	± ---	SIZE A			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			ANGULAR ±1/2°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												

[illegible]