

6

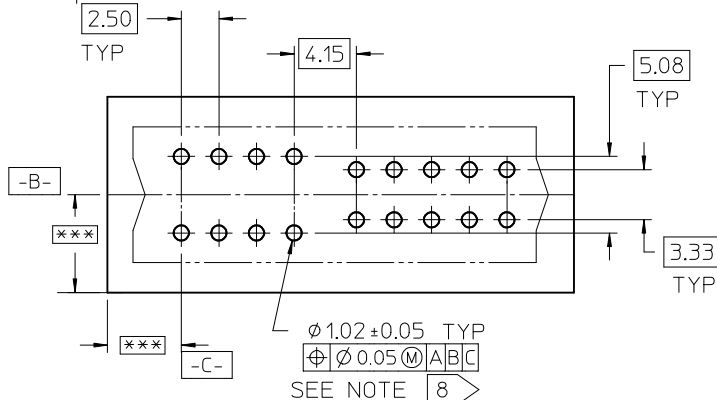
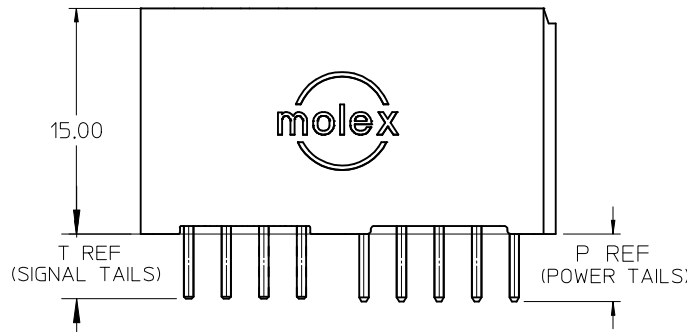
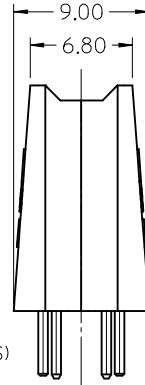
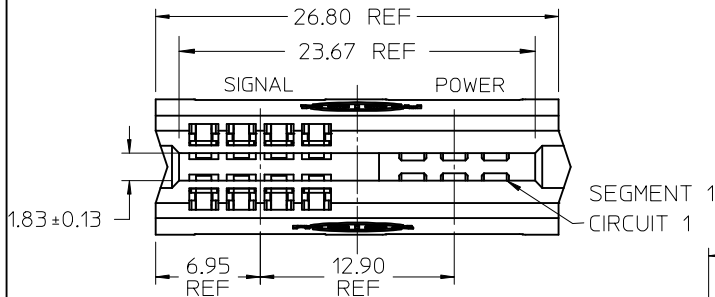
5

4

3

2

1



PCB LAYOUT: COMPONENT SIDE

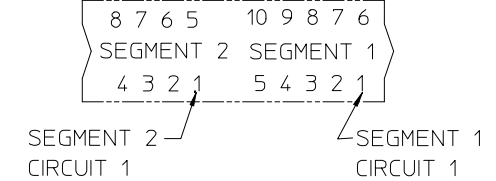
\*\*\* = TO BE DETERMINED BY CUSTOMER

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

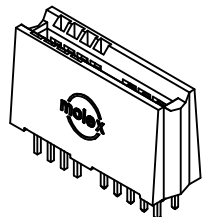
MOLEX P/N 45911-0001 SHOWN

## 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



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	A

SCALE 2:1  
DESIGN UNITS METRIC  
THIRD ANGLE PROJECTION

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

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

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

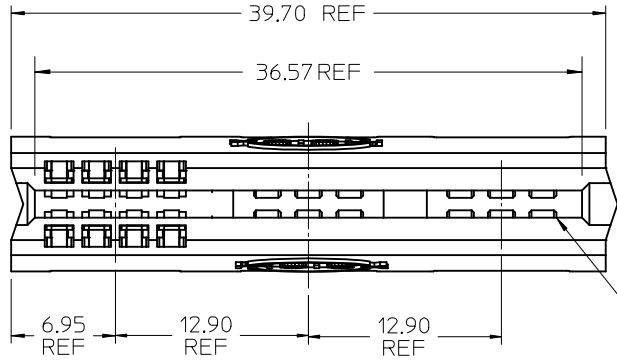
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4

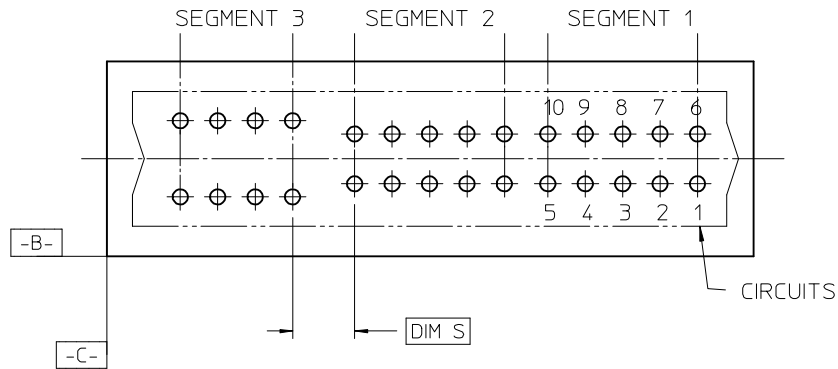
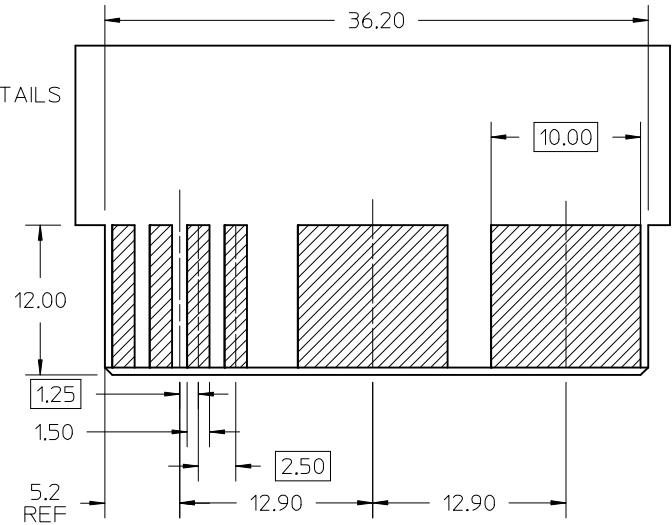
3

2

1



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

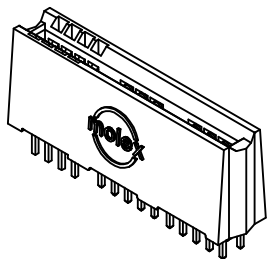


DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40  
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90  
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

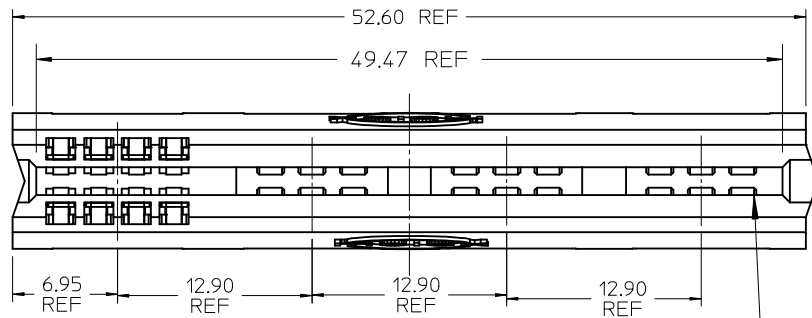
PCB LAYOUT: COMPONENT SIDE

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

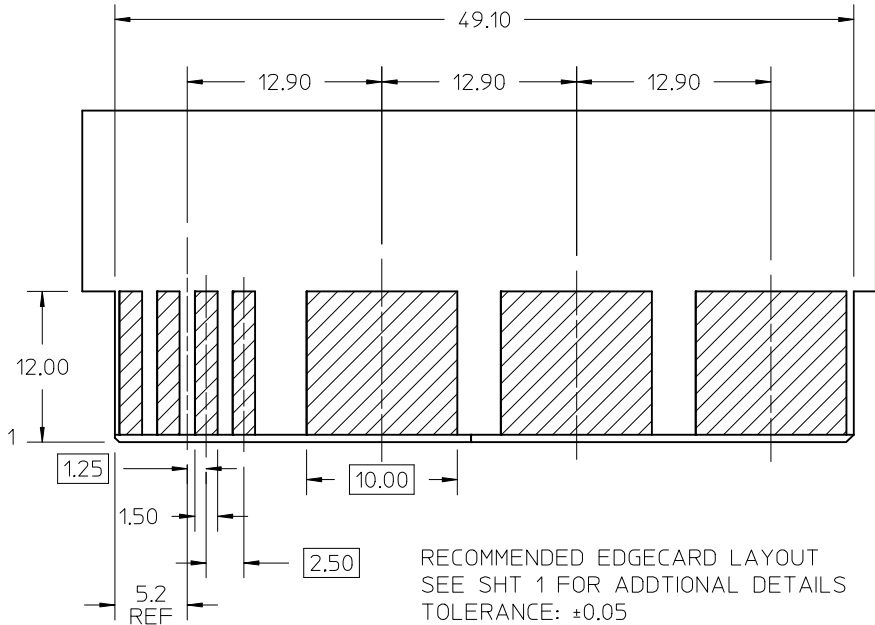
TOOLING STATUS	MATERIAL NUMBER	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{DIM P}{DIM T}$	PCB THK
TOOLED	45911-0007	SIGNAL	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36
TOOLED	45911-0008	POWER	SIGNAL	POWER		
TOOLED	45911-0009	SIGNAL	SIGNAL	POWER		
TOOLED	45911-0010	SIGNAL	POWER	SIGNAL		
TOOLED	45911-0011	POWER	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 K5	DESCRIPTION	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  MOLEX INCORPORATED				
			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					
			ANGULAR ±1/2°			MATERIAL NUMBER SEE CHART		DOCUMENT NO. SD-45911-001			SHEET NO. 2 OF 4	
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									



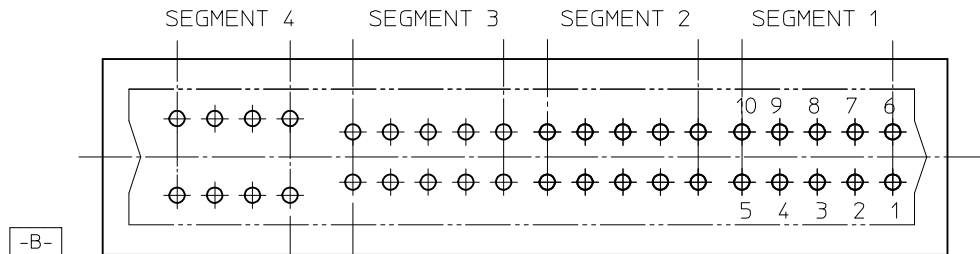
SEGMENT 1  
CIRCUIT 1



RECOMMENDED EDGECARD LAYOUT  
SEE SHT 1 FOR ADDITIONAL DETAILS  
TOLERANCE:  $\pm 0.05$

SEE CHART ON SHEET 4  
FOR MATERIAL NUMBERS

PART NUMBER 45911-0025  
SHOWN FOR REFERENCE



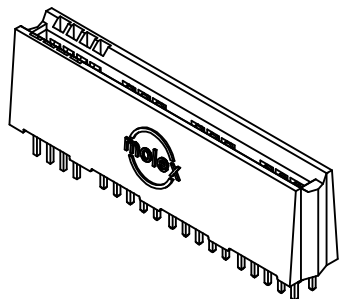
-B-



-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: UCP2015-2755 DRWN: JSCHAFER 2015/08/07 CHKD: APPR: APATEL 2015/09/01 K5	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	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 SAMIEC	DATE 2005/04/14			
			3 PLACES	± ---	± ---	APPROVED BY MARGULIS	DATE 2005/04/14			
			2 PLACES	± 0.25	± ---	 MOLEX INCORPORATED				
			1 PLACE	± 0.25	± ---					
			ANGULAR ±1/2°		MATERIAL NUMBER SEE CHART ON SHEET 4		DOCUMENT NO. SD-45911-001		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			



D

C

B

A

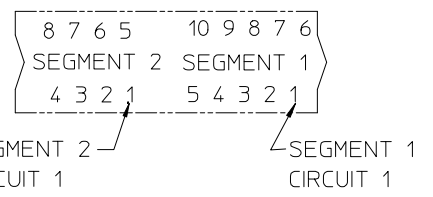
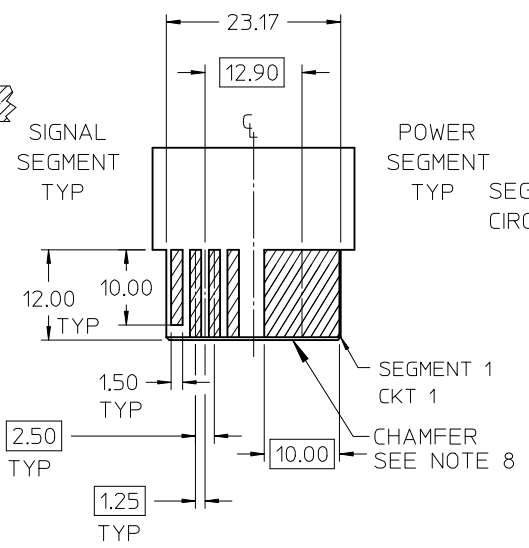
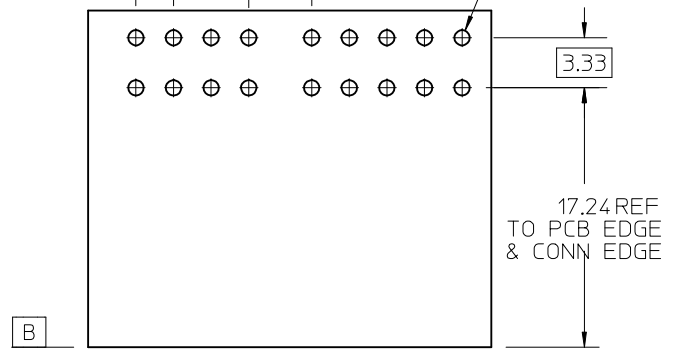
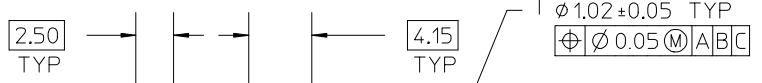
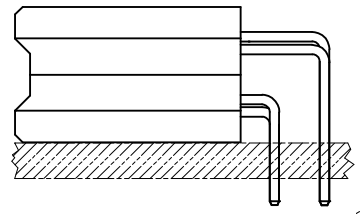
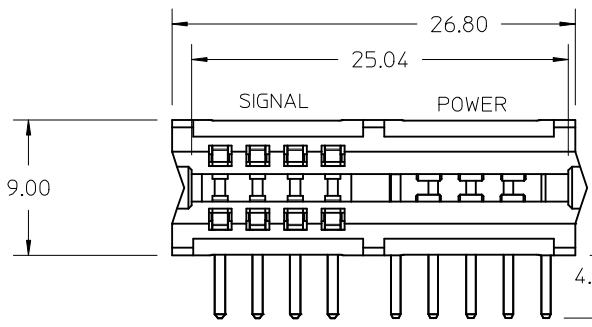
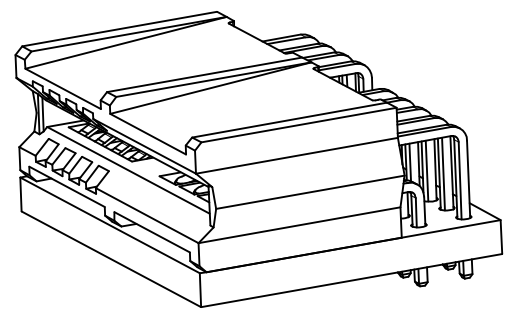
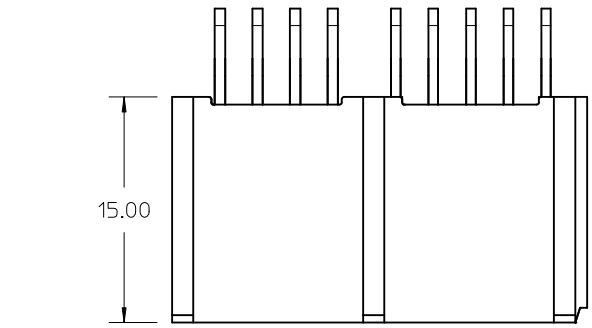
D

C

B

A

- 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.



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

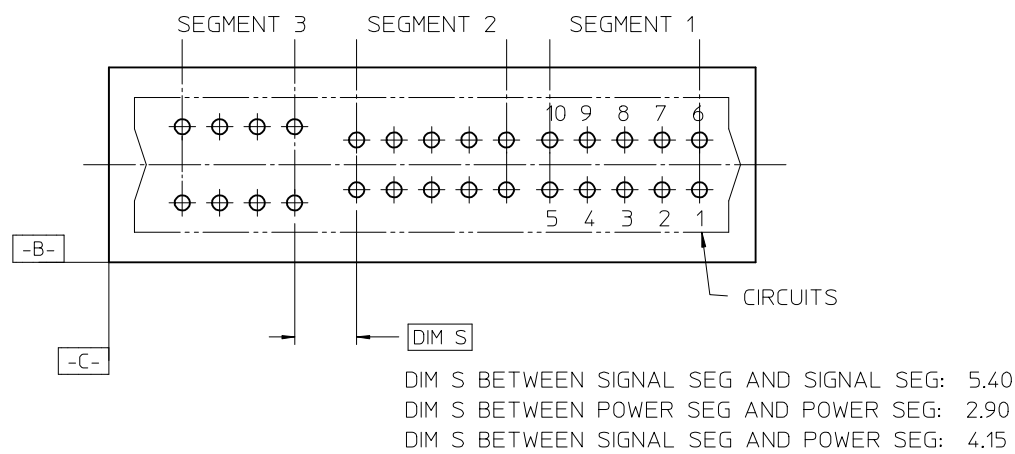
QUALITY SYMBOLS

	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
ALL INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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		

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

DESCRIPTION  
REV

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

CHECKED BY

APPROVED BY  
APATEL

MATERIAL NUMBER  
SEE CHART

SIZE  
A

DATE  
2011/11/07

DATE  
2014/08/25

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

SCALE  
1:1

DESIGN UNITS  
METRIC

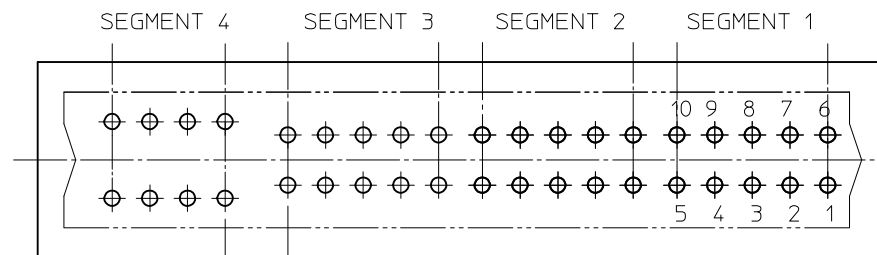
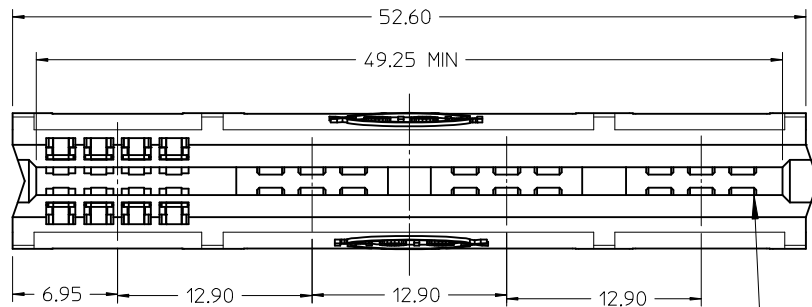
THIRD ANGLE  
PROJECTION

POWER EDGE ASSEMBLY  
POWER / SIGNAL MIXED  
RT ANGLE SOLDER TAIL

MOLEX INCORPORATED

DOCUMENT NO.  
SD-45911-002


SHEET NO.  
2 OF 5



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





