

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0310721011

Status:

Active

Overview:

H-DAC™ 64 Single Row

Description:

2.54mm (.100") H-DAC 64™, 5 Way Receptacle Assembly, Single-Row, Polarization B



Documents:

[Application Specification \(PDF\)](#)

[Drawing \(PDF\)](#)

[Product Specification PS-31067-0001 \(PDF\)](#)

[Product Specification PS-31100-0001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Crimp Housings
Series	31072
Comments	Polarization Option B, Gray
Overview	H-DAC™ 64 Single Row
Product Name	H-DAC 64™
Physical	
Circuits (maximum)	5
Circuits Detail	5
Color - Resin	Gray, White
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Modified Polystyrene, Polyester
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Polarized to Mating Part	Yes
Ports	1
Stackable	No
Temperature Range - Operating	-40°C to +100°C

Electrical	
Current - Maximum per Contact	11A, 9A

Material Info

Reference - Drawing Numbers	
Product Specification	PS-31067-0001, PS-31100-0001
Sales Drawing	SD-31109-003

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

31072Series

Mates With

H-DAC 64™, 5 Way Male Housing Assembly [310721041](#) , [310721071](#)

Use With

See Product Spec

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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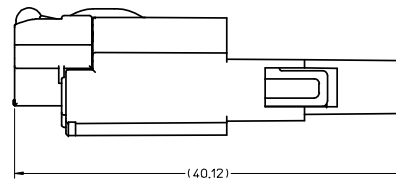
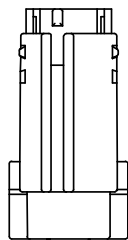
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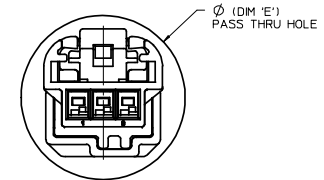
C

B

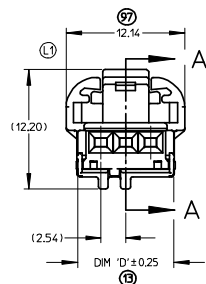
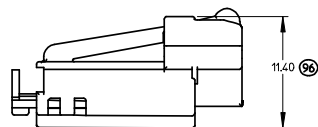
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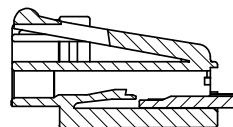
OVERALL MATED LENGTH



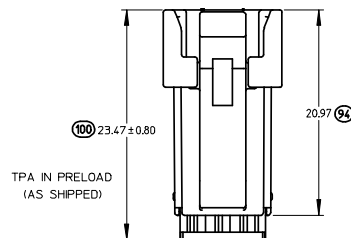
MALE AND FEMALE ASSEMBLY
PASS THRU VIEW
(CAD GENERATED)



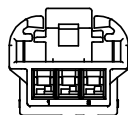
MATING SIDE



SECTION A-A
SCALE 4:1



TPA IN PRELOAD
(AS SHIPPED)



WIRE SIDE

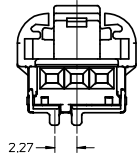
- NOTES:
1. MATERIAL: HOUSING: SPS GLASS FILLED, COLOR SEE CHART.
TPA: PBT.
 2. PRODUCT SPECIFICATIONS - IN-LINE MATING INTERFACE: PS-31067-0001.
- DIRECT CONNECT MATING INTERFACE: PS-31100-0001.
 3. PACKAGING SPECIFICATION: DRAWING PK-30907-737.
 4. MATES WITH: SEE SALES DRAWINGS SD-31110-003 (MALE INLINE),
SD-31197-003 (RIGHT ANGLE HEADER), SD-31101-114 (VERTICAL
"WINGED" HEADER), AND SD-31206-003 (VERTICAL HEADER).
 5. TERMINAL PLATING: TIN (Sn) OVERALL, BRITTE FINISH.
THICKNESS = 15 MICROMETER MINIMUM,
NICKEL (Ni) UNDERPLATE OVERALL.
 6. PACKAGING: PLEASE REFERENCE MOLEX SPECIFICATION PS-34646-001,
AVAILABLE AT WWW.MOLEX.COM. (REFERENCE: TPAs THAT ARE FOUND IN
SEATED (FINAL LOCK) POSITION)
 7. APPLICATION SPECIFICATION: AS-31067-100.

ENTER DESCRIPTION IEC NO: UAU2008-0767 DRAWN BY: TACHUGA 2008/07/08 CHECKED BY: CHYKBOICK 2008/07/09 APPROVED BY: SHARCEAU 2008/07/09	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH				
		4 PLACES	±	---	±	---			
		3 PLACES	±	---	±	---			
REV DESCRIPTION	DATE	2 PLACES	±	0.13	±	---			
		1 PLACE	±	0.25	±	---			
		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-31109-003	
		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 4			

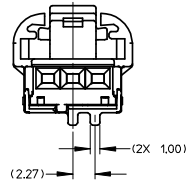
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FEMALE VIEWED FROM MATING SIDE

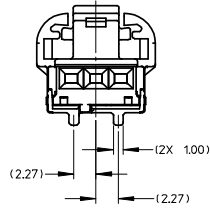
3 WAY
POLARIZATION 'A'



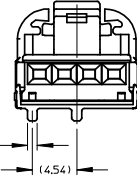
3 WAY
POLARIZATION 'B'



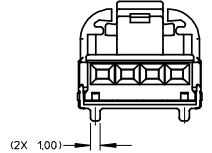
3 WAY
POLARIZATION 'C'



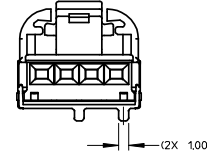
4 WAY
POLARIZATION 'A'



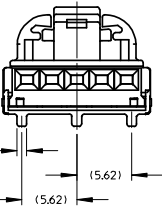
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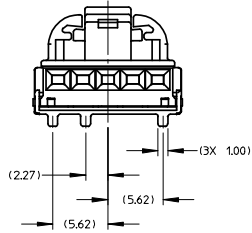
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POLARIZATION 'C'



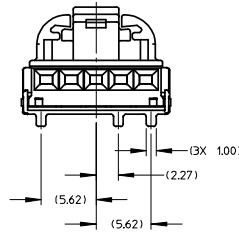
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POLARIZATION 'A'



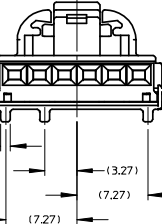
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POLARIZATION 'B'



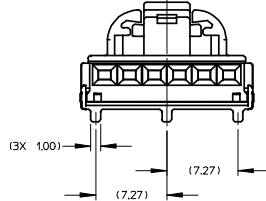
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POLARIZATION 'C'



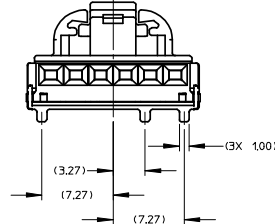
6 WAY
POLARIZATION 'A'



6 WAY
POLARIZATION 'B'



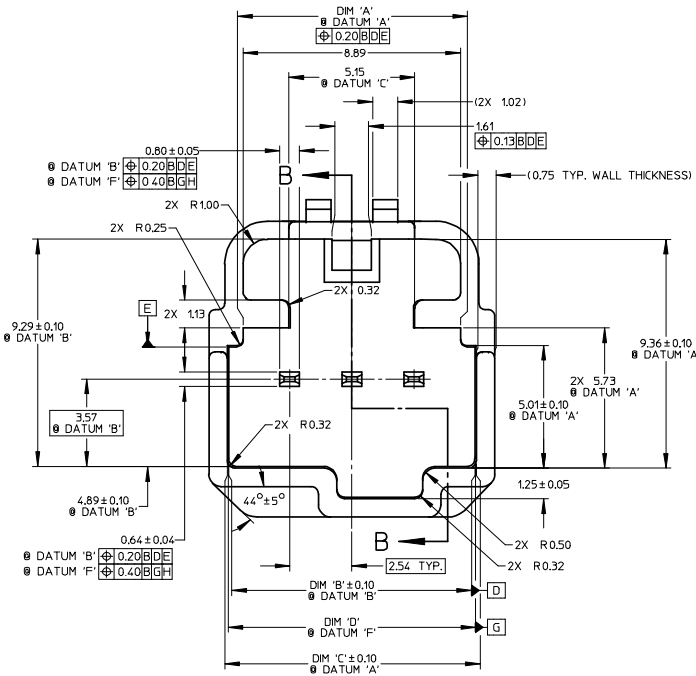
6 WAY
POLARIZATION 'C'



BILL OF MATERIALS							MATING ASSEMBLIES PART NUMBERS				
ASSEMBLY PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION	COLOR	DIM 'D'	DIM 'E'	INLINE MALE ASSEMBLY W/O XMAS SLOT	INLINE MALE ASSEMBLY W/ XMAS SLOT	RIGHT ANGLE MALE HEADER ASSEMBLY	VERTICAL MALE HEADER ASSEMBLY	VERTICAL MALE WINGED HEADER ASSY
31067-1010	3 WAY FEMALE ASSEMBLY POLARIZATION 'A'	31111-0030	FEMALE HOUSING	BLACK	9.80	16.76	31067-1040	31067-1070	31100-0030 NOT TOOLED	31101-0030 NOT TOOLED	TBD
		31113-0030	TPA	NATURAL (WHITE)							
31067-1011	3 WAY FEMALE ASSEMBLY POLARIZATION 'B'	31111-0031	FEMALE HOUSING	GRAY	9.80	16.76	31067-1041	31067-1071	31100-0031 NOT TOOLED	31101-0031 NOT TOOLED	TBD
		31113-0030	TPA	NATURAL (WHITE)							
31067-1012	3 WAY FEMALE ASSEMBLY POLARIZATION 'C'	31111-0032	FEMALE HOUSING	BROWN	9.80	16.76	31067-1042	31067-1072	31100-0032 NOT TOOLED	31101-0032 NOT TOOLED	TBD
		31113-0030	TPA	NATURAL (WHITE)							
31068-1010	4 WAY FEMALE ASSEMBLY POLARIZATION 'A'	31157-0040	FEMALE HOUSING	BLACK	12.34	18.25	31068-1040	31068-1070	31100-0040	31101-0040	31101-1140
		31158-0040	TPA	NATURAL (WHITE)							
31068-1011	4 WAY FEMALE ASSEMBLY POLARIZATION 'B'	31157-0041	FEMALE HOUSING	GRAY	12.34	18.25	31068-1041	31068-1071	31100-0041	31101-0041	31101-1240
		31158-0040	TPA	NATURAL (WHITE)							
31068-1012	4 WAY FEMALE ASSEMBLY POLARIZATION 'C'	31157-0042	FEMALE HOUSING	BROWN	12.34	18.25	31068-1042	31068-1072	31100-0042	31101-0042	31101-1340
		31158-0040	TPA	NATURAL (WHITE)							
31072-1010	5 WAY FEMALE ASSEMBLY POLARIZATION 'A'	31160-0050	FEMALE HOUSING	BLACK	14.88	20.25	31072-1040	31072-1070	31100-0050 NOT TOOLED	31101-0050 NOT TOOLED	TBD
		31161-0050	TPA	NATURAL (WHITE)							
31072-1011	5 WAY FEMALE ASSEMBLY POLARIZATION 'B'	31160-0051	FEMALE HOUSING	GRAY	14.88	20.25	31072-1041	31072-1071	31100-0051 NOT TOOLED	31101-0051 NOT TOOLED	TBD
		31161-0050	TPA	NATURAL (WHITE)							
31072-1012	5 WAY FEMALE ASSEMBLY POLARIZATION 'C'	31160-0052	FEMALE HOUSING	BROWN	14.88	20.25	31072-1042	31072-1072	31100-0052 NOT TOOLED	31101-0052 NOT TOOLED	TBD
		31161-0050	TPA	NATURAL (WHITE)							
31073-1010	6 WAY FEMALE ASSEMBLY POLARIZATION 'A'	31163-0060	FEMALE HOUSING	BLACK	17.42	22.75	31073-1040	31073-1070	31100-0060 NOT TOOLED	31101-0060 NOT TOOLED	TBD
		31164-0060	TPA	NATURAL (WHITE)							
31073-1011	6 WAY FEMALE ASSEMBLY POLARIZATION 'B'	31163-0061	FEMALE HOUSING	GRAY	17.42	22.75	31073-1041	31073-1071	31100-0061 NOT TOOLED	31101-0061 NOT TOOLED	TBD
		31164-0060	TPA	NATURAL (WHITE)							
31073-1012	6 WAY FEMALE ASSEMBLY POLARIZATION 'C'	31163-0062	FEMALE HOUSING	BROWN	17.42	22.75	31073-1042	31073-1072	31100-0062 NOT TOOLED	31101-0062 NOT TOOLED	TBD
		31164-0060	TPA	NATURAL (WHITE)							

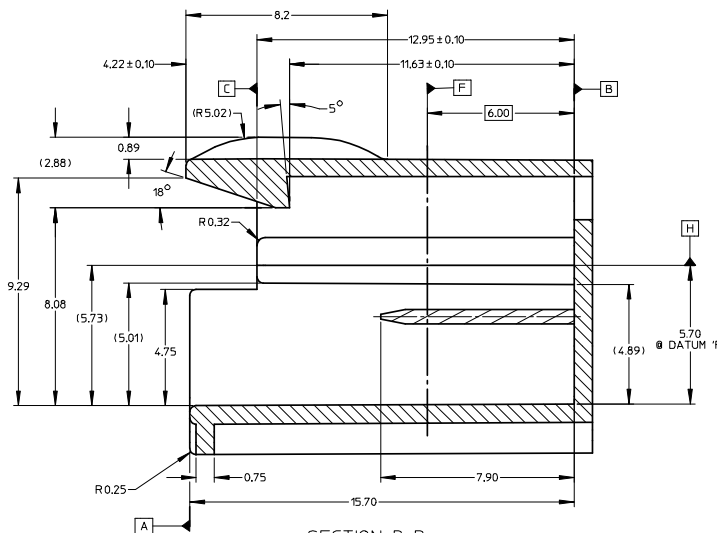
ENTER DESCRIPTION IEC NO: UAU2008-0767 DRAWN BY: CHYKBOICK CHECKED BY: CHYKBOICK APPR: SHARCEAU DATE: 2008/07/08 DATE: 2008/07/09 DATE: 2008/07/09		QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th><th>mm</th><th>INCH</th></tr> <tr> <td>4 PLACES ±</td><td>---</td><td>---</td></tr> <tr> <td>3 PLACES ±</td><td>---</td><td>---</td></tr> <tr> <td>2 PLACES ±</td><td>0.13</td><td>---</td></tr> <tr> <td>1 PLACE ±</td><td>0.25</td><td>---</td></tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.13	---	1 PLACE ±	0.25	---	DIMENSION STYLE MM ONLY DATE: 6/22/2007 DATE: 6/22/2007 DATE:	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING
	mm	INCH																			
4 PLACES ±	---	---																			
3 PLACES ±	---	---																			
2 PLACES ±	0.13	---																			
1 PLACE ±	0.25	---																			
MATERIAL NO. SEE CHART DOCUMENT NO. SD-31109-003		MOLEX INCORPORATED		SHEET NO. 2 OF 4																	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

REFERENCE ONLY

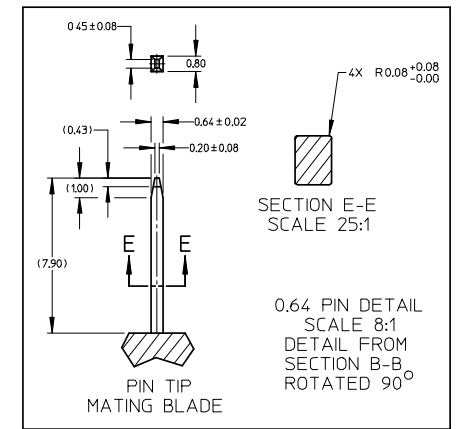


MATING INTERFACE DETAIL
SCALE 10:1

RECOMMENDED MATING MATERIAL: SPS, 30% GLASS FILLED.



SECTION B-B
SCALE 10:1



SECTION E-E
SCALE 25:1

0.64 PIN DETAIL
SCALE 8:1
DETAIL FROM
SECTION B-B
ROTATED 90°

PIN TIP
MATING BLADE

RECOMMENDED DIRECT CONNECT INFO
FOR MATING FEMALE PARTS ONLY

DIMENSIONS FOR DIRECT CONNECT

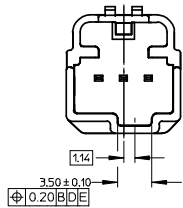
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
3	8.89	10.05	10.19	10.11
4	11.20	12.59	12.73	12.65
5	13.74	15.13	15.27	15.19
6	16.28	17.67	17.81	17.73

ENTER DESCRIPTION IEC NO: UAU2008-0767 DRAWN BY: TACHIGA CHECKED BY: CHYKBOICK APPR: SHARCEAU DATE: 2008/07/08 DATE: 2008/07/09 DATE: 2008/07/09	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°	mm INCH	DATE 6/22/2007 DATE 6/22/2007 DATE	TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-31109-003

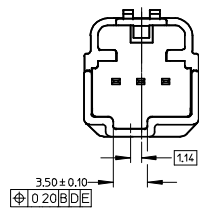
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REFERENCE ONLY

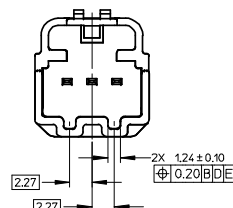
3 WAY
POLARIZATION "A"



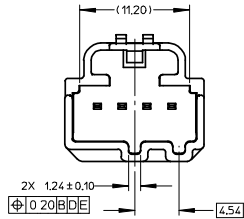
3 WAY
POLARIZATION "B"



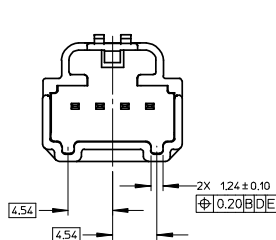
3 WAY
POLARIZATION "C"



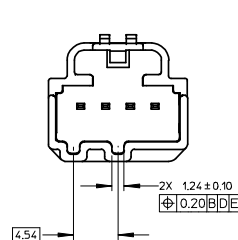
4 WAY
POLARIZATION "A"



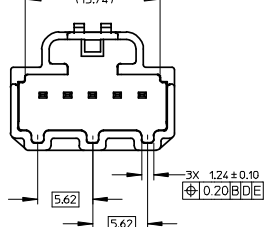
4 WAY
POLARIZATION "B"



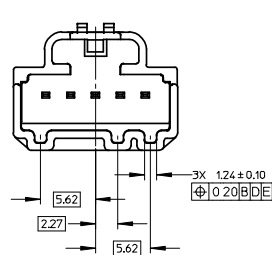
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POLARIZATION "C"



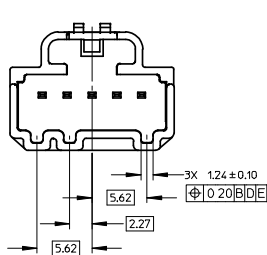
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POLARIZATION "A"



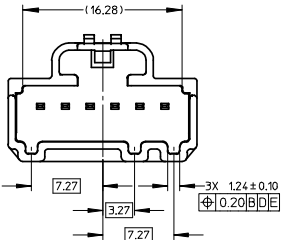
5 WAY
POLARIZATION "B"



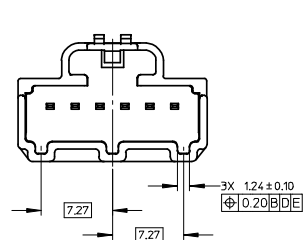
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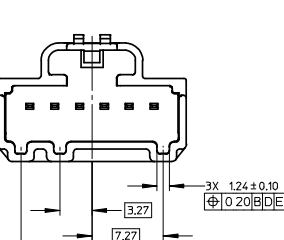
6 WAY
POLARIZATION "A"



6 WAY
POLARIZATION "B"



6 WAY
POLARIZATION "C"



ENTER DESCRIPTION EC NO. 1442008-0767 DRAWN: TMACHIGA 2008/07/08 CHKD: BDICK 2008/07/09 APPR: SMARCEAU 2008/07/09 G1		QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE		
					MM ONLY		4:1	METRIC		PROJECTION		
					mm	INCH	DRAWN BY	DATE	TITLE			
							BDICK01'	6/22/2007				
					4 PLACES ±	---	CHECKED BY	DATE	FEMALE ASSEMBLY CHARTED SALES DRAWING			
					3 PLACES ±	---	COILLON	6/22/2007				
		2 PLACES ±	0.13	APPROVED BY	DATE	MOLEX INCORPORATED						
		1 PLACE ±	0.25									
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-31109-003		4 OF 4				
				SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								