

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0310671012](#)
Status: **Active**
Overview: [hdac_64_single_row](#)
Description: 2.54mm (.100") H-DAC 64™, 3 Way Receptacle Assembly, Single-Row, Polarization C

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	31067
Comments	Polarization Option C, Brown
Overview	hdac_64_single_row
Product Name	H-DAC 64™
Physical	
Circuits (maximum)	3
Circuits Detail	3
Color - Resin	Brown (Carmel), 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	
Application Specification	AS-31067-100
Packaging Specification	PK-30907-737, PK-31301-076
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
[31067Series](#)

Mates With
[31101](#) H-DAC 64™ Vertical Header

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

M

L

K

J

I

H

G

F

E

D

C

B

A

M

L

K

J

I

H

G

F

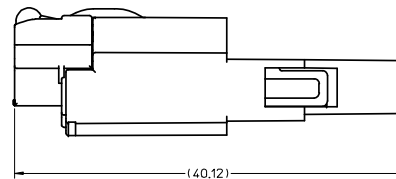
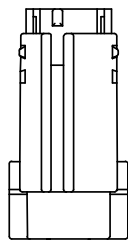
E

D

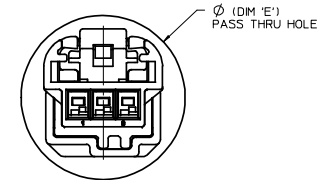
C

B

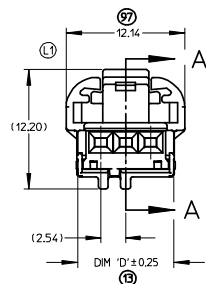
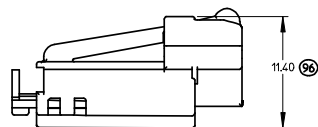
A



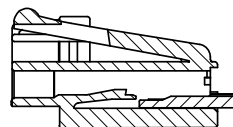
OVERALL MATED LENGTH



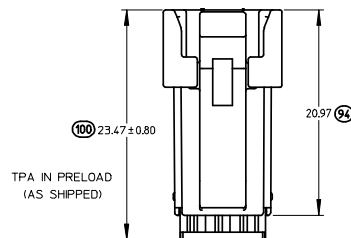
MALE AND FEMALE ASSEMBLY
PASS THRU VIEW
(CAD GENERATED)



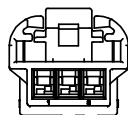
MATING SIDE



SECTION A-A
SCALE 4:1



TPA IN PRELOAD
(AS SHIPPED)



WIRE SIDE

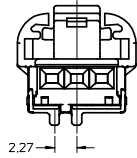
- NOTES:
1. MATERIAL: HOUSING: SPS GLASS FILLED, COLOR SEE CHART.
TPA: PBT.
 2. PRODUCT SPECIFICATIONS - IN-LINE MATING INTERFACE: PS-31067-0001.
- DIRECT CONNECT MATING INTERFACE: PS-31100-0001.
 3. PACKAGING SPECIFICATION: DRAWING PK-30907-737.
 4. MATES WITH: SEE SALES DRAWINGS SD-31110-003 (MALE IN-LINE),
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 EC NO: UAU2008-0767 DRAWN BY: TACHUGA 2008/07/08 CHKD BY: BUCK 2008/07/09 APPR: 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	
						TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING			
						MATERIAL NO. SEE CHART			
						DOCUMENT NO. SD-31109-003			
						SHEET NO. 1 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

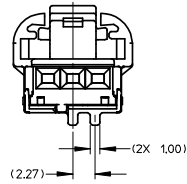
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

FEMALE VIEWED FROM MATING SIDE

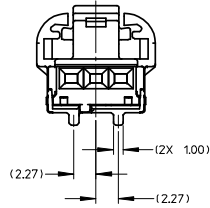
3 WAY
POLARIZATION 'A'



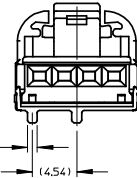
3 WAY
POLARIZATION 'B'



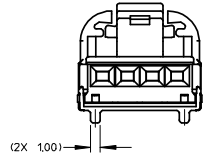
3 WAY
POLARIZATION 'C'



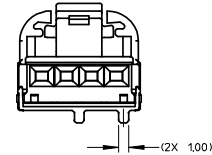
4 WAY
POLARIZATION 'A'



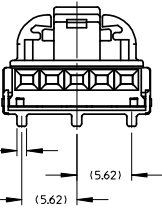
4 WAY
POLARIZATION 'B'



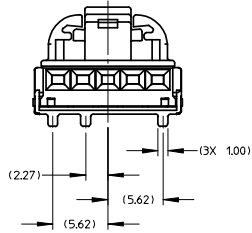
4 WAY
POLARIZATION 'C'



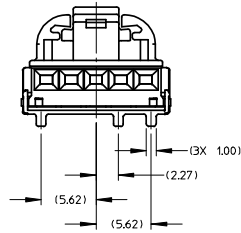
5 WAY
POLARIZATION 'A'



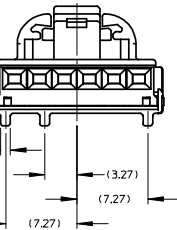
5 WAY
POLARIZATION 'B'



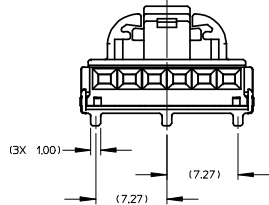
5 WAY
POLARIZATION 'C'



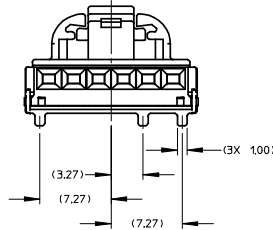
6 WAY
POLARIZATION 'A'



6 WAY
POLARIZATION 'B'



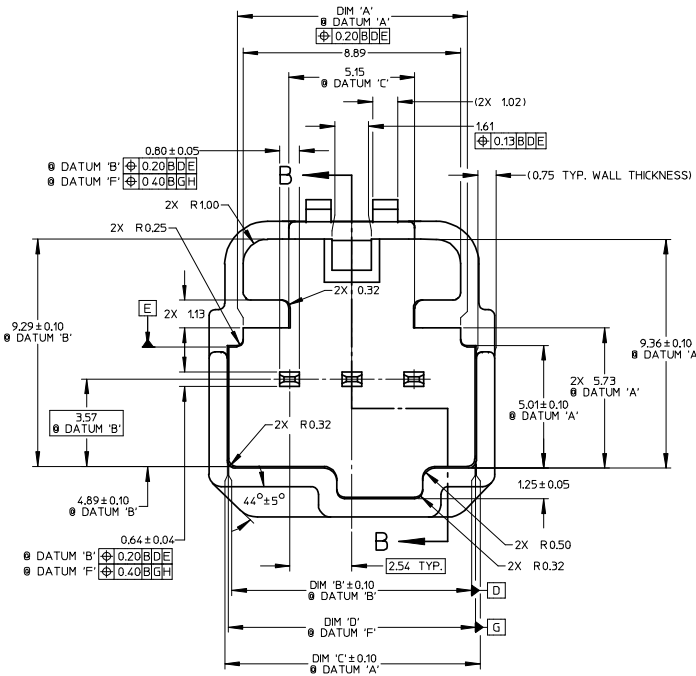
6 WAY
POLARIZATION 'C'



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)							

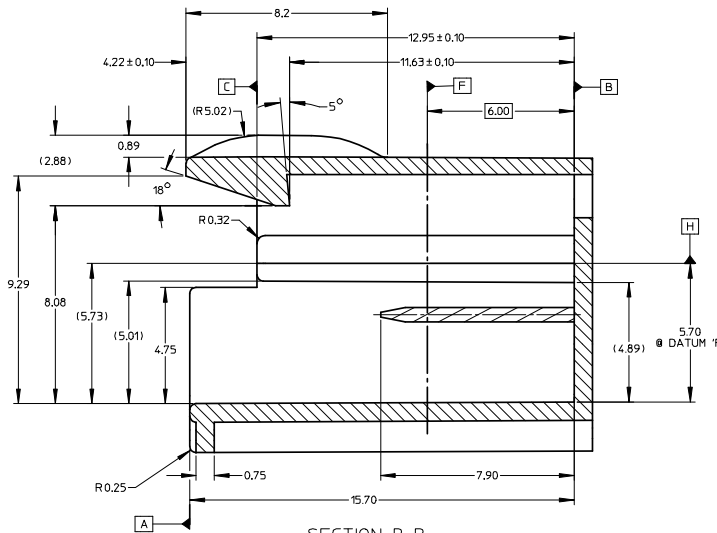
ENTER DESCRIPTION IEC NO: UAU2008-0767 DRAWN BY: CHYKBOICK CHECKED BY: CHYKBOICK APPR: SHARCAU DATE: 2008/07/08 DATE: 2008/07/09 DATE: 2008/07/09		QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th><th>mm</th><th>INCH</th></tr> <tr> <td>4 PLACES ±</td><td>---</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

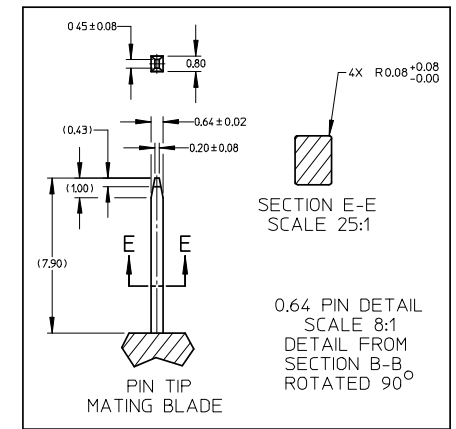


MATING INTERFACE DETAIL
SCALE 10:1

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

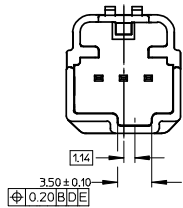
DIMENSIONS FOR DIRECT CONNECT

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

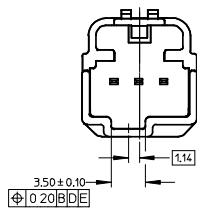
ENTER DESCRIPTION IEC NO: UAU2008-0767 DRAWN BY: TACHICA CHECKED BY: CHYKBOICK APPR: SHARCEAU DATE: 2008/07/08 DATE: 2008/07/09 DATE: 2008/07/09	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± ---	mm INCH	DATE 6/22/2007	DATE 6/22/2007	DATE 6/22/2007	DATE 6/22/2007	DATE 6/22/2007
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
		MATERIAL NO. SEE CHART DOCUMENT NO. SD-31109-003 SHEET NO. 3 OF 4						

REFERENCE ONLY

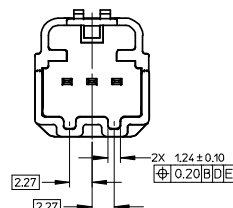
3 WAY
POLARIZATION "A"



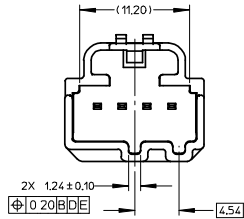
3 WAY
POLARIZATION "B"



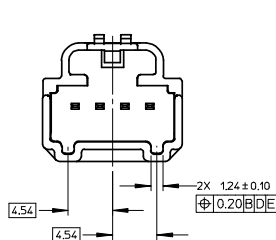
3 WAY
POLARIZATION "C"



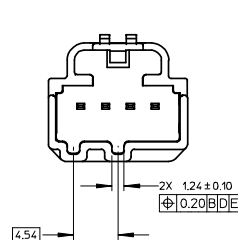
4 WAY
POLARIZATION "A"



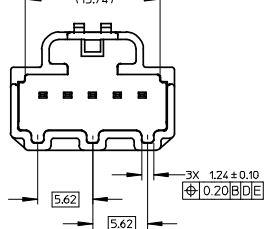
4 WAY
POLARIZATION "B"



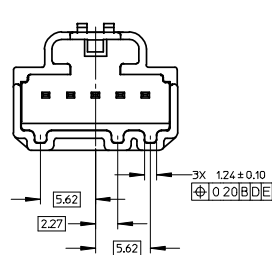
4 WAY
POLARIZATION "C"



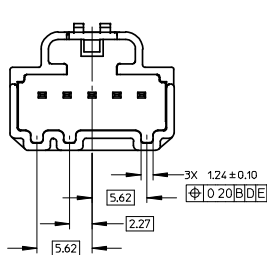
5 WAY
POLARIZATION "A"



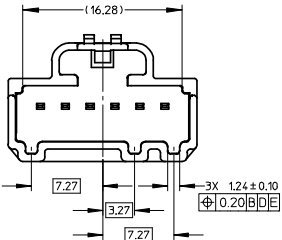
5 WAY
POLARIZATION "B"



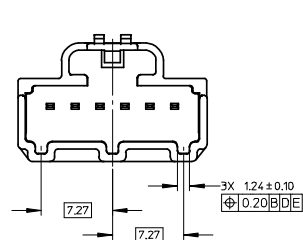
5 WAY
POLARIZATION "C"



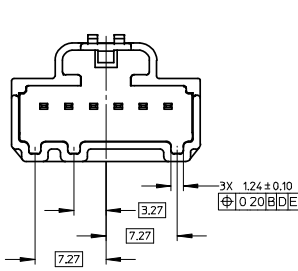
6 WAY
POLARIZATION "A"



6 WAY
POLARIZATION "B"



6 WAY
POLARIZATION "C"



ENTER DESCRIPTION EC NO. 14AU2008-0767 DRAWN: TMACHIGA 2008/07/08 CHKD: BDICK 2008/07/09 APPR: SMARCEAU 2008/07/09 G1 REV DESCRIPTION		QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><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></tbody></table> ANGULAR ±1/2°			mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.13	---	1 PLACE ±	0.25	---	DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION 	
			mm	INCH																								
		4 PLACES ±	---	---																								
		3 PLACES ±	---	---																								
2 PLACES ±	0.13	---																										
1 PLACE ±	0.25	---																										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWN BY BDICK01		DATE 6/22/2007		TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING																						
		CHECKED BY DATE		6/22/2007																								
		APPROVED BY DATE		6/22/2007																								
		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-31109-003		SHEET NO. 4 OF 4																						
		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								