

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0874271812

Status:

Active

Overview:

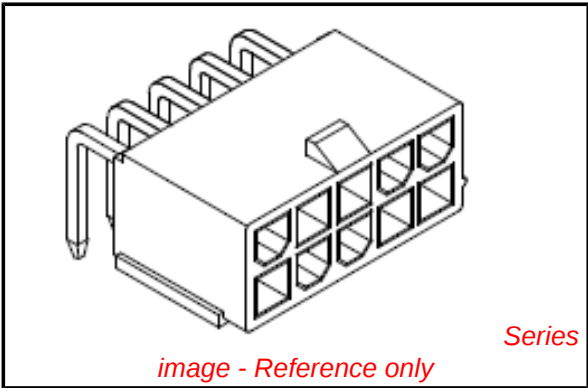
minifit_jr

Description:

4.20mm (.165") Mini-Fit Jr.™ Header, Right Angle, Nylon, with Flange, 18 Circuits, Tin (Sn) over Nickel (Ni) Plating, Glow Wire Compatible

Documents:	
3D Model	Product Specification PS-87427-0001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	87427
Application	Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS™ Crimp Terminal Crimped to to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™
Physical	
Breakaway	No
Circuits (Loaded)	18
Color - Resin	Beige
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Copper
Material - Resin	Nylon
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No



EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

87427Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13A
Voltage - Maximum	600V

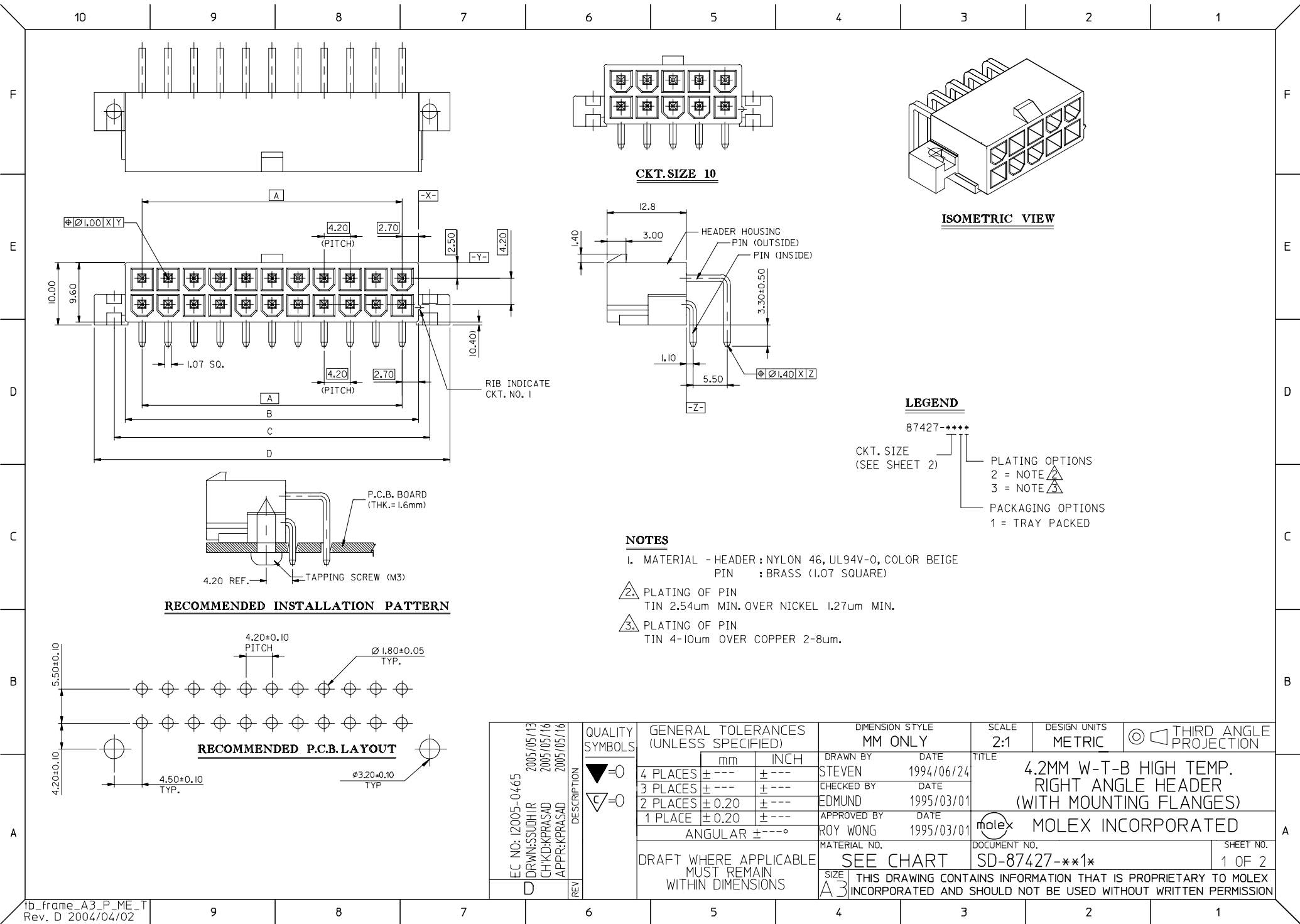
Material Info

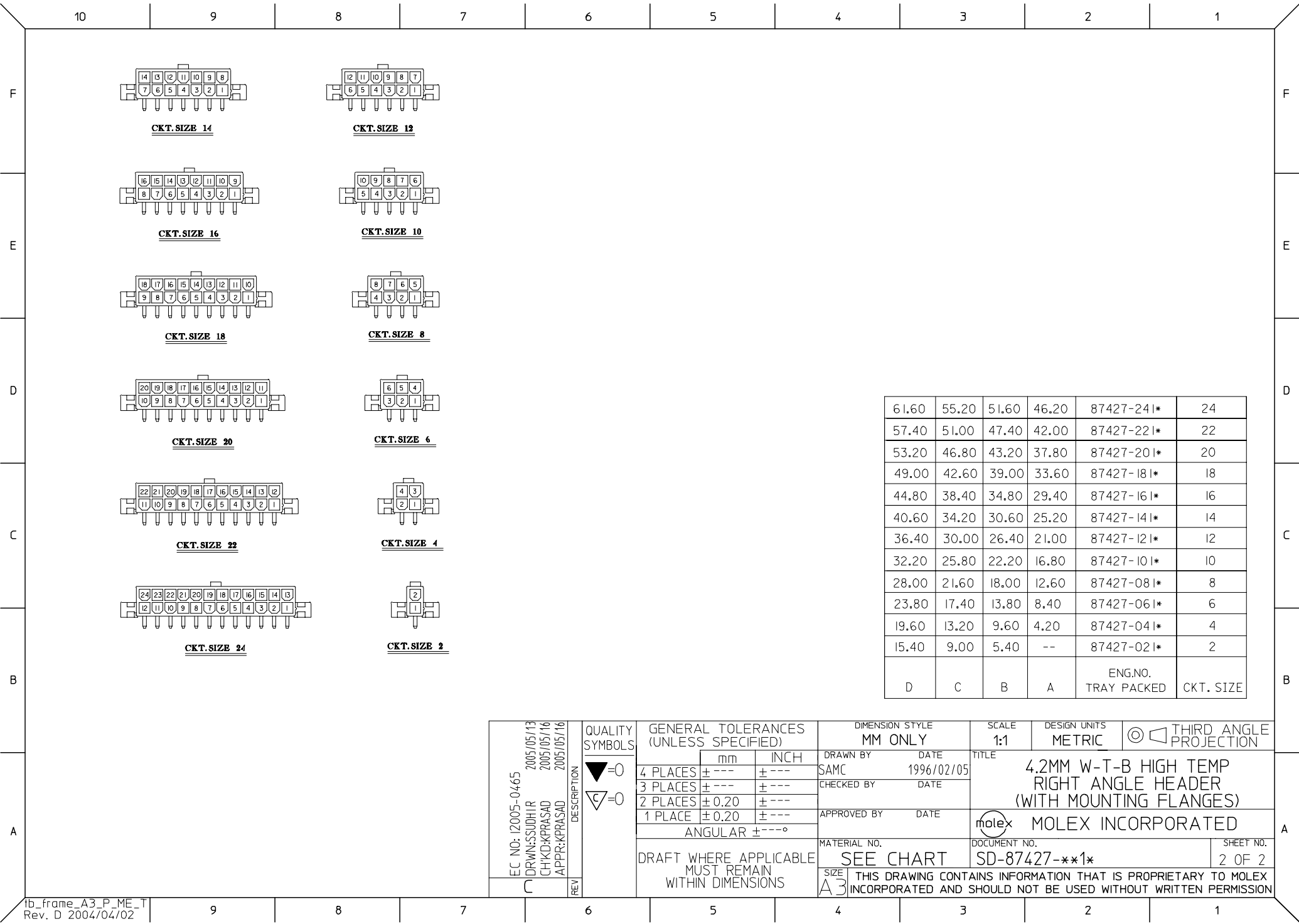
Reference - Drawing Numbers

Packaging Specification	PK-87427-003
Product Specification	PS-87427-0001
Sales Drawing	SD-87427-**1*

This document was generated on 05/31/2010

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CKT.SIZE 14

CKT.SIZE 12

CKT.SIZE 16

CKT.SIZE 10

CKT.SIZE 18

CKT.SIZE 8

CKT.SIZE 20

CKT.SIZE 6

CKT.SIZE 22

CKT.SIZE 4

CKT.SIZE 24

CKT.SIZE 2

61.60	55.20	51.60	46.20	87427-24 *	24
57.40	51.00	47.40	42.00	87427-22 *	22
53.20	46.80	43.20	37.80	87427-20 *	20
49.00	42.60	39.00	33.60	87427-18 *	18
44.80	38.40	34.80	29.40	87427-16 *	16
40.60	34.20	30.60	25.20	87427-14 *	14
36.40	30.00	26.40	21.00	87427-12 *	12
32.20	25.80	22.20	16.80	87427-10 *	10
28.00	21.60	18.00	12.60	87427-08 *	8
23.80	17.40	13.80	8.40	87427-06 *	6
19.60	13.20	9.60	4.20	87427-04 *	4
15.40	9.00	5.40	--	87427-02 *	2
D	C	B	A	ENG.NO. TRAY PACKED	CKT. SIZE

EC NO: I2005-0465 DRWN:SSUDHIR 2005/05/13 CHKD:KPRASAD 2005/05/16 APPR:KPRASAD 2005/05/16 REV C	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY SAMC	DATE 1996/02/05	TITLE 4.2MM W-T-B HIGH TEMP RIGHT ANGLE HEADER (WITH MOUNTING FLANGES)				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	APPROVED BY	DATE					
			2 PLACES	± 0.20	± ---	MOLEX MOLEX INCORPORATED						
			1 PLACE	± 0.20	± ---			DOCUMENT NO. SD-87427-**1*				
			ANGULAR ± ---°		SHEET NO. 2 OF 2							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		SIZE A3										