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Part Number: [0751171218](#)
Status: **Active**
Overview: [vhdm](#)
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Stacker Receptacle, Vertical, 8-Row, 200 Circuits, 1.27µm (50µ") Gold (Au)

Documents:

Packaging Specification (PDF)	Product Specification PS-74031-999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	75117
Application	Daughtercard
Application Tooling Documents	Tooling Manual
Comments	Stack Height 18mm (.708"), Lead Free
Component Type	PCB Receptacle
Overview	vhdm
Product Name	VHDM®
Style	N/A

Physical

Circuits (Loaded)	200
Circuits (maximum)	200
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Silicon, High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	N/A
Number of Pairs	Open Pin Field
Number of Rows	8
Orientation	Vertical
PCB Retention	None
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.80 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	3.125 Gbps

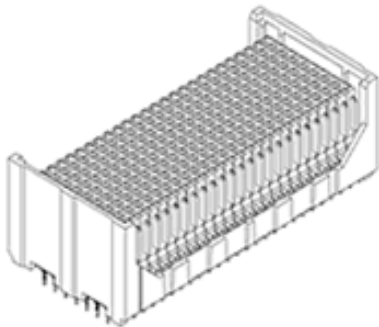


image - Reference only

Series

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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
[75117Series](#)

Mates With
[74060](#) VHDM® Board-to-Board Backplane Header

Real Signals (per 25mm)	100
Voltage - Maximum	120V AC (RMS)/DC

Material Info

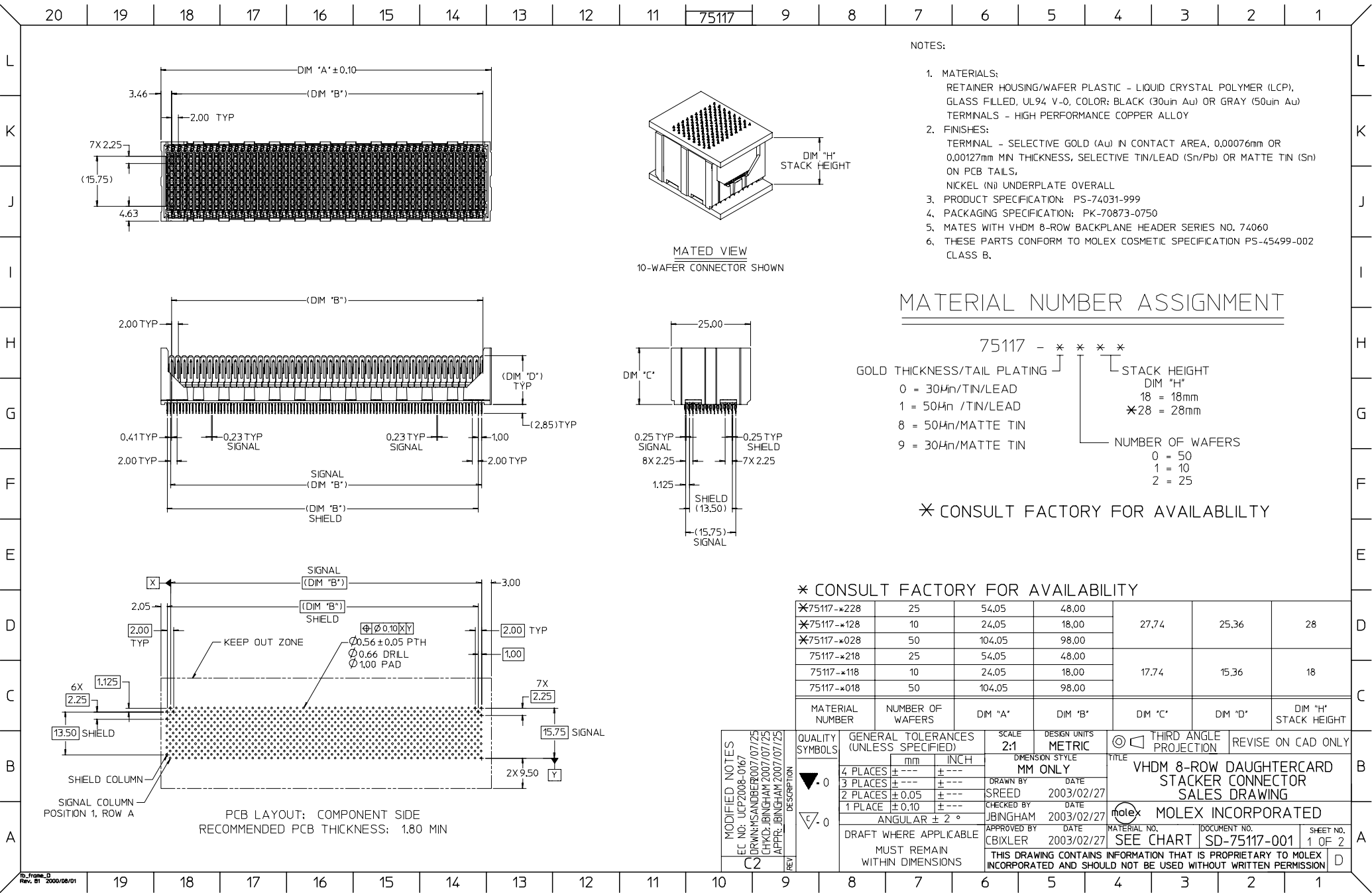
Reference - Drawing Numbers

Product Specification	PS-74031-999
Sales Drawing	SD-75117-001

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NOTES:

1. MATERIALS:
RETAINER HOUSING/WAFER PLASTIC - LIQUID CRYSTAL POLYMER (LCP),
GLASS FILLED, UL94 V-0, COLOR: BLACK (30µin Au) OR GRAY (50µin Au)
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISHES:
TERMINAL - SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm OR
0.00127mm MIN THICKNESS, SELECTIVE TIN/LEAD (Sn/Pb) OR MATTE TIN (Sn)
ON PCB TAILS,
NICKEL (Ni) UNDERPLATE OVERALL
3. PRODUCT SPECIFICATION: PS-74031-999
4. PACKAGING SPECIFICATION: PK-70873-0750
5. MATES WITH VHDM 8-ROW BACKPLANE HEADER SERIES NO. 74060
6. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002
CLASS B.

MATERIAL NUMBER ASSIGNMENT

75117 - * * * *

GOLD THICKNESS/TAIL PLATING

0 = 30µin/TIN/LEAD
1 = 50µin /TIN/LEAD
8 = 50µin/MATTE TIN
9 = 30µin/MATTE TIN

STACK HEIGHT
DIM "H"
18 = 18mm
*28 = 28mm

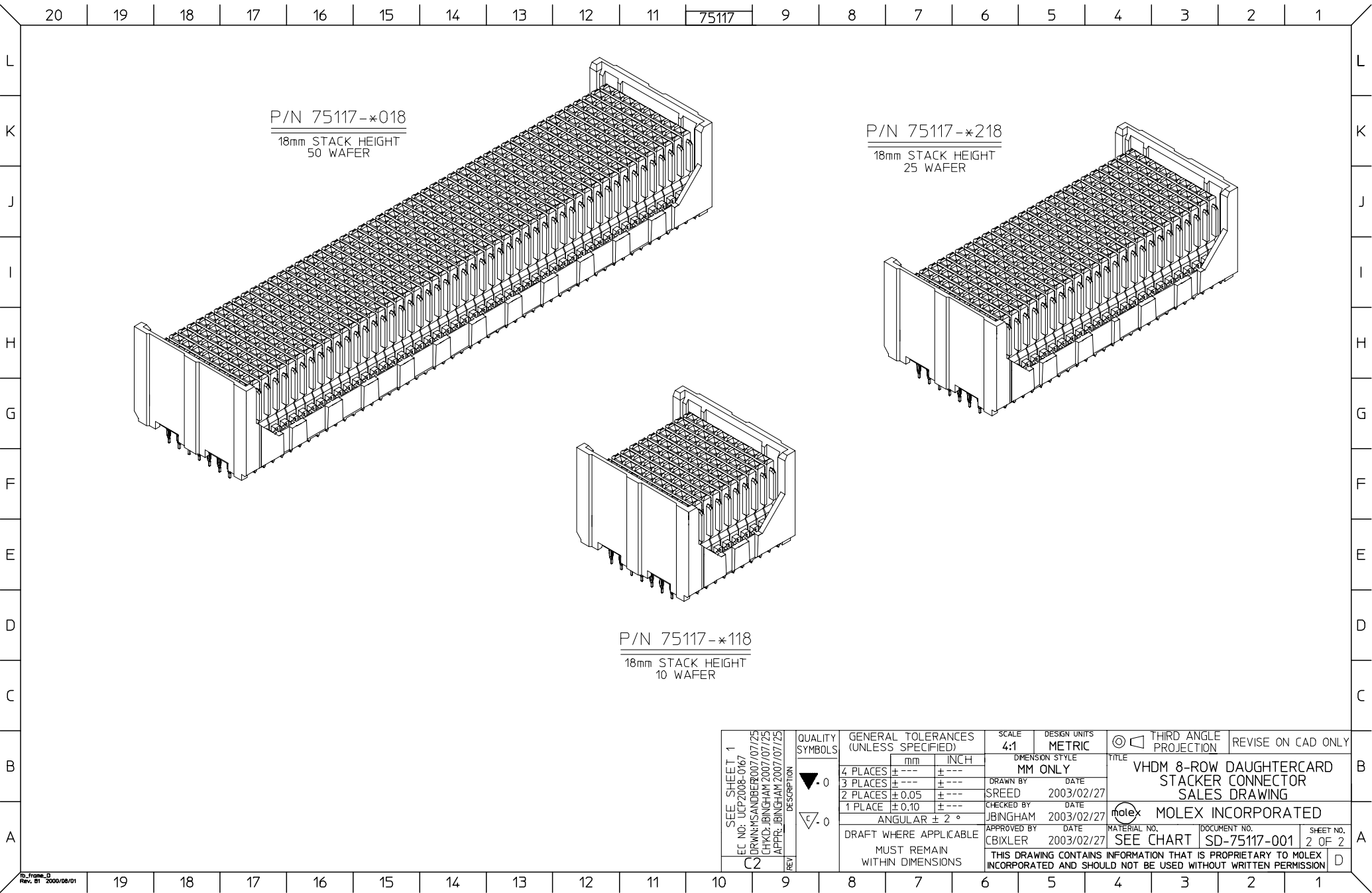
NUMBER OF WAFERS
0 = 50
1 = 10
2 = 25

* CONSULT FACTORY FOR AVAILABILITY

* CONSULT FACTORY FOR AVAILABILITY

*75117-*228	25	54.05	48.00	27.74	25.36	28
*75117-*128	10	24.05	18.00			
*75117-*028	50	104.05	98.00			
75117-*218	25	54.05	48.00	17.74	15.36	18
75117-*118	10	24.05	18.00			
75117-*018	50	104.05	98.00			
MATERIAL NUMBER	NUMBER OF WAFERS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "H" STACK HEIGHT

MODIFIED NOTES EC NO: UCP2008-067 DRAWN:MSANDBERG07/07/25 CHKD:JBINGHAM 2007/07/25 APPR:JBINGHAM 2007/07/25 REV C2	DESCRIPTION	QUALITY SYMBOLS ▽-0 ◻-0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
					DIMENSION STYLE MM ONLY		TITLE VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING			
			4 PLACES ± --- ± ---		DRAWN BY SREED	DATE 2003/02/27				
			3 PLACES ± --- ± ---		CHECKED BY JBINGHAM	DATE 2003/02/27				
			2 PLACES ± 0.05 ± ---		MOLEX MOLEX INCORPORATED					
	1 PLACE ± 0.10 ± ---		APPROVED BY CBIXLER		DATE 2003/02/27	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75117-001	SHEET NO. 1 OF 2		
	ANGULAR ± 2 °									
	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							



SEE SHEET 1 EC NO: UCP 2008-0067 DRAWN: MSANDBERG 07/07/25 CHKD: JBINGHAM 2007/07/25 APPR: JBINGHAM 2007/07/25 REV C2	QUALITY SYMBOLS ▽.0 ▽.0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
					DIMENSION STYLE MM ONLY		TITLE VHDM 8-ROW DAUGHTERCARD STACKER CONNECTOR SALES DRAWING				
			4 PLACES	± .000	± .000	DRAWN BY SREED	DATE 2003/02/27	MOLEX	MATERIAL NO. DOCUMENT NO. SHEET NO. SEE CHART SD-75117-001 2 OF 2		
			3 PLACES	± .000	± .000	CHECKED BY JBINGHAM	DATE 2003/02/27				
			2 PLACES	± 0.05	± .000	APPROVED BY CBIXLER					DATE 2003/02/27
			1 PLACE	± 0.10	± .000						
			ANGULAR ± 2 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								