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Part Number: [0532900980](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Board-to-Board Header, Vertical, Single Row, 0.50mm (.020") Square Pin, with Friction Lock, Lead-free, 9 Circuits, with Kinked PC Tails

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-52418-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

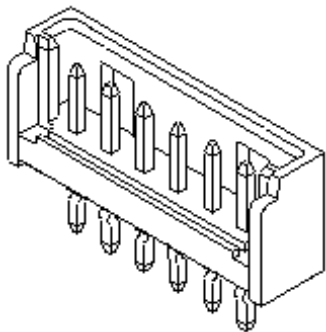
General

Product Family	PCB Headers
Series	53290
Application	Board-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height (in)	0.236 In
Mated Height (mm)	6.00 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.126 In
PC Tail Length (mm)	3.20 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1.00
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1.00
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



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
[53290Series](#)

Mates With
[52418 PCB Receptacle](#)

Current - Maximum per Contact	1.5A
Voltage - Maximum	125V

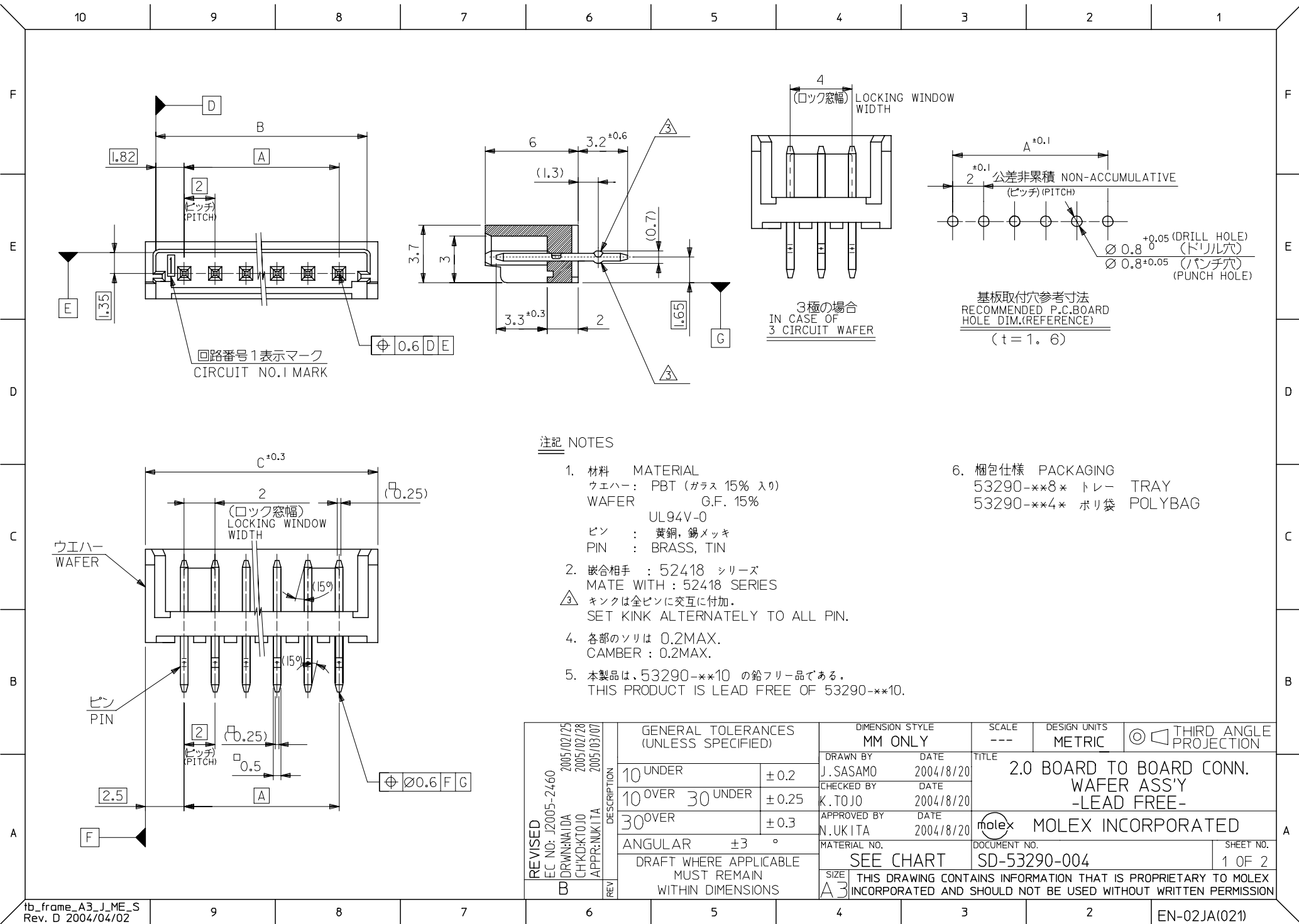
Material Info

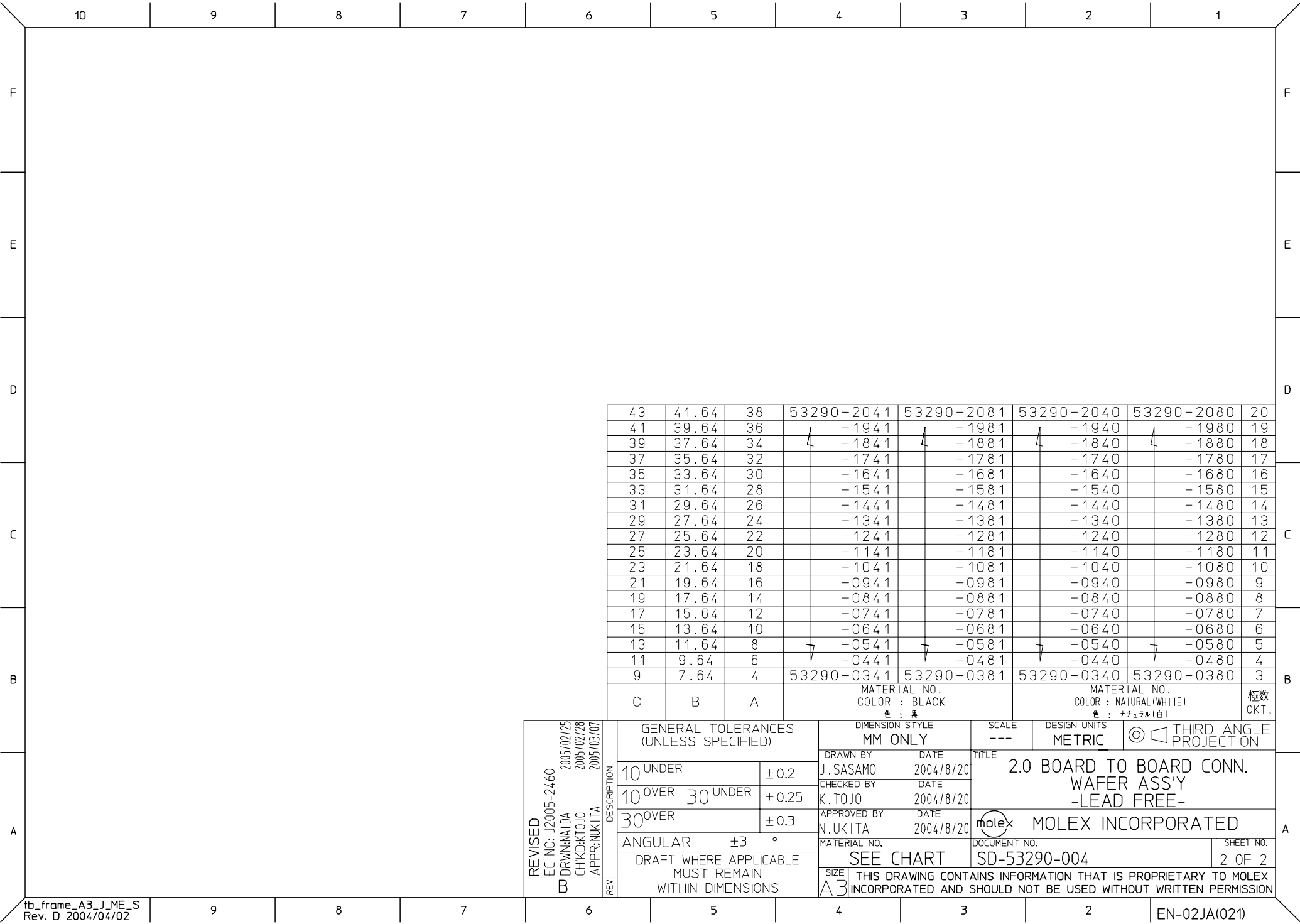
Reference - Drawing Numbers

Product Specification	PS-52418-003, RPS-52418-004
Sales Drawing	SD-53290-004

This document was generated on 04/16/2010

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43	41.64	38	53290-2041	53290-2081	53290-2040	53290-2080	20	
41	39.64	36	┆ -1941	┆ -1981	┆ -1940	┆ -1980	19	
39	37.64	34	┆ -1841	┆ -1881	┆ -1840	┆ -1880	18	
37	35.64	32	┆ -1741	┆ -1781	┆ -1740	┆ -1780	17	
35	33.64	30	┆ -1641	┆ -1681	┆ -1640	┆ -1680	16	
33	31.64	28	┆ -1541	┆ -1581	┆ -1540	┆ -1580	15	
31	29.64	26	┆ -1441	┆ -1481	┆ -1440	┆ -1480	14	
29	27.64	24	┆ -1341	┆ -1381	┆ -1340	┆ -1380	13	
27	25.64	22	┆ -1241	┆ -1281	┆ -1240	┆ -1280	12	
25	23.64	20	┆ -1141	┆ -1181	┆ -1140	┆ -1180	11	
23	21.64	18	┆ -1041	┆ -1081	┆ -1040	┆ -1080	10	
21	19.64	16	┆ -0941	┆ -0981	┆ -0940	┆ -0980	9	
19	17.64	14	┆ -0841	┆ -0881	┆ -0840	┆ -0880	8	
17	15.64	12	┆ -0741	┆ -0781	┆ -0740	┆ -0780	7	
15	13.64	10	┆ -0641	┆ -0681	┆ -0640	┆ -0680	6	
13	11.64	8	┆ -0541	┆ -0581	┆ -0540	┆ -0580	5	
11	9.64	6	┆ -0441	┆ -0481	┆ -0440	┆ -0480	4	
9	7.64	4	53290-0341	53290-0381	53290-0340	53290-0380	3	
C	B	A	MATERIAL NO. COLOR : BLACK 色 : 黒			MATERIAL NO. COLOR : NATURAL (WHITE) 色 : ナチュラル (白)		極数 CKT.

REVISED EC NO: J2005-2460 2005/02/25 DRAWN: NAIDA 2005/02/28 CHKD: KTOJO 2005/03/07 APPR: NUKITA B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY DATE J. SASAMO 2004/8/20		TITLE 2.0 BOARD TO BOARD CONN. WAFER ASS'Y -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY DATE K. TOJO 2004/8/20						
		30 OVER	±0.3	APPROVED BY DATE N. UKITA 2004/8/20		molex MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53290-004		2 OF 2		
		REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			