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Part Number:

0754770001

Status:

Active

Overview:

sfp_stacked_connectors

Description:

Small Form-factor Pluggable (SFP) Stacked 2-by-6 Multi-Port Connector with Press-fit PC Tails, 240 Circuits

Documents:

3D Model

Drawing (PDF)

Application Specification (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

I/O Connectors

Series

75477

Application

Module-to-Board

Component Type

Receptacle

Overview

sfp_stacked_connectors

Product Name

SFP

Type

N/A

Physical

Boot Color

N/A

Circuits (Loaded)

240

Circuits (maximum)

240

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Gender

Female

Lock to Mating Part

Yes

Material - Metal

High Performance Alloy (HPA)

Material - Plating Mating

Gold

Material - Plating Termination

Tin-Lead

Material - Resin

High Temperature Thermoplastic

Number of Rows

2

Orientation

Right Angle

PC Tail Length (in)

0.084 In

PC Tail Length (mm)

2.07 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.063 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tray

Panel Mount

No

Pitch - Mating Interface (in)

0.031 In

Pitch - Mating Interface (mm)

0.80 mm

Pitch - Term. Interface (in)

0.031 In

Pitch - Term. Interface (mm)

0.80 mm

Plating min: Mating (µin)

30.4

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

30.4

Plating min: Termination (µm)

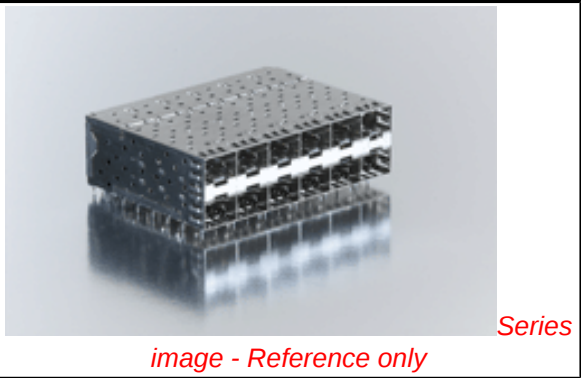
0.76

Polarized to Mating Part

Yes

Polarized to PCB

Yes



EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Pb

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

75477Series

Use With

0759510999 SFP Dust Plug,

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
SFP Insertion Tool, x 6	20622029925
SFP Stacked Multi-Port Extraction Tool, 2 by 6	0622029950

Ports	12
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Shield Type	EMI Fingers
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Solder Process Data

Replacement RoHS Compliant Part Number	0754775001
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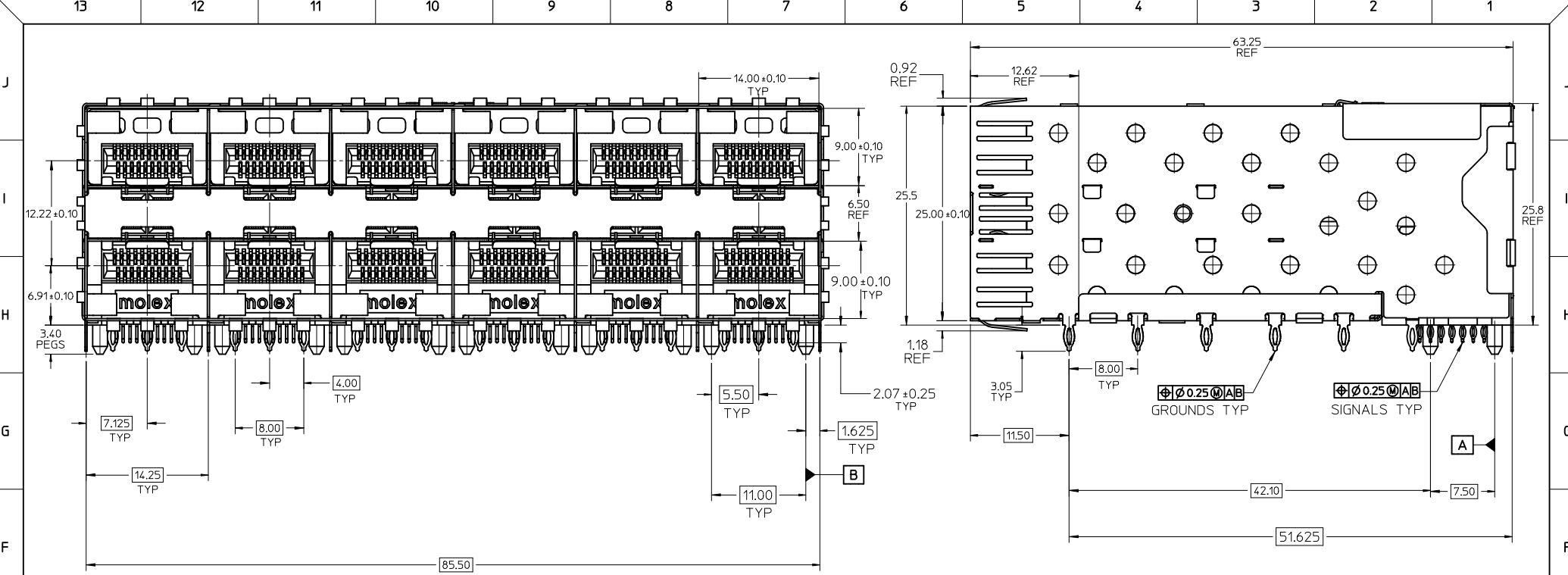
Material Info

Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75451-001
Sales Drawing	SD-75477-001, SD-75477-101

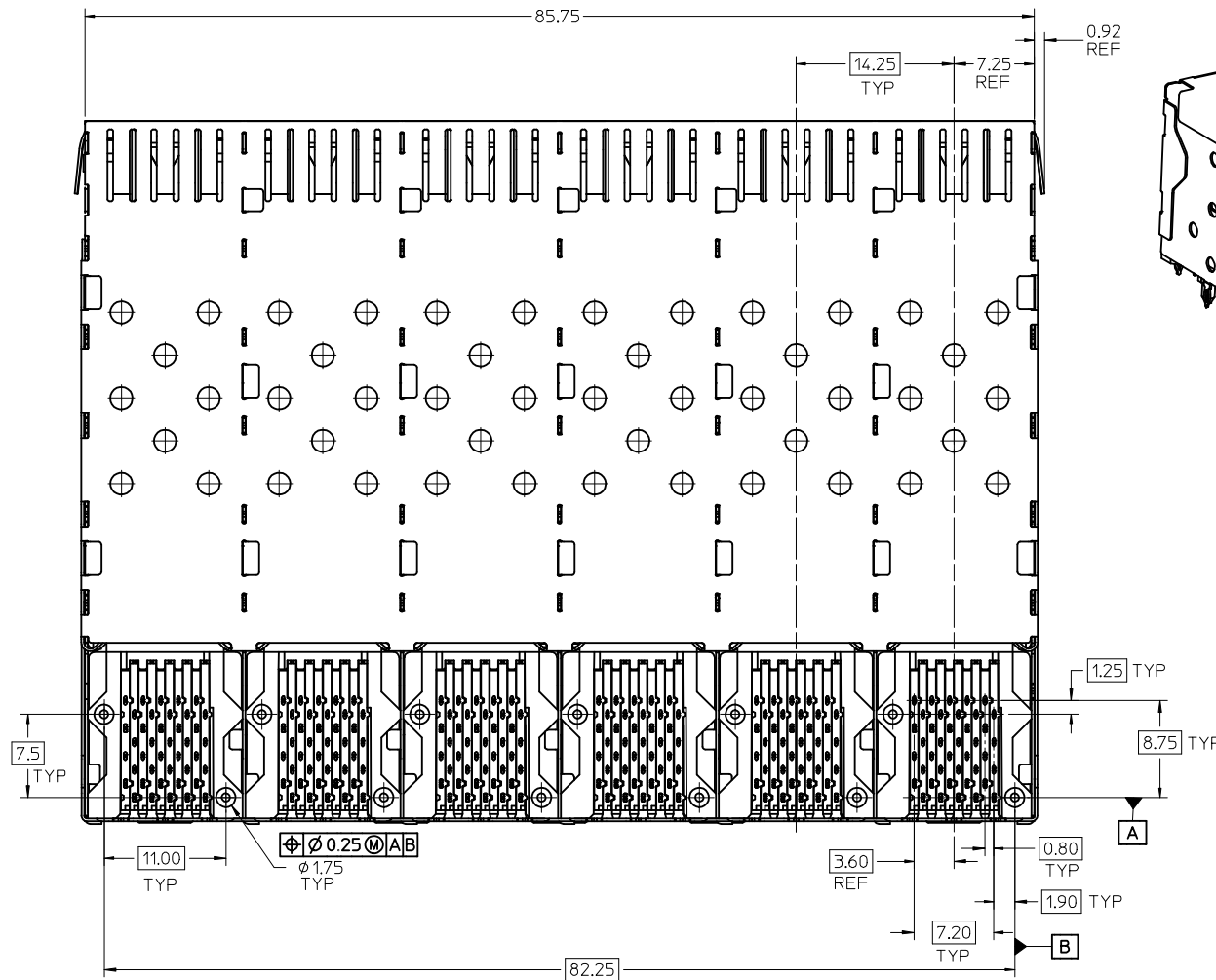
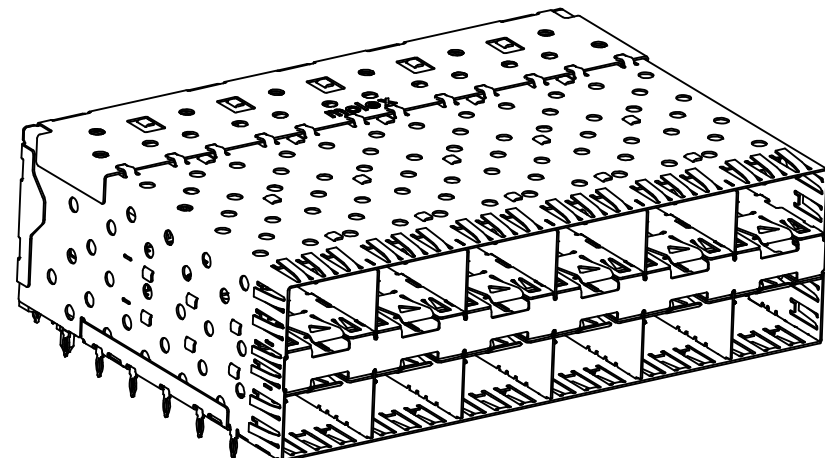
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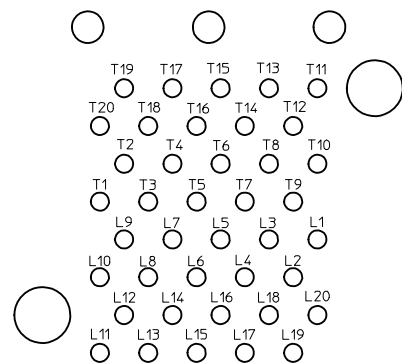


- NOTES:
- 1. MATERIAL:
 - CAGE: NICKEL SILVER, THICKNESS: 0.25mm
 - CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94 V-0, COLOR: BLACK
 - OVERMOLD TERMINAL HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94 V-0, COLOR: BLACK
 - TERMINALS: BRASS
 - 2. FINISH
 - TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD OVER 1.27 MICROMETERS MINIMUM NICKEL.
 - COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICROMETERS 90/10 TIN/LEAD OVER 0.76 - 1.52 MICROMETERS NICKEL
 - COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICROMETERS TIN OVER 0.76 - 1.52 MICROMETERS NICKEL
 - 3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIROMENTAL SPECIFICATIONS.
 - 4. REFER TO PK-75451-001 FOR ALL PACKAGING SPECIFICATIONS.
 - 5. THE CURVED TAILS THAT GO INTO THE HOLES LOCATED BY THESE DIMENSIONS ARE BEING ELIMINATED. TO ACCOMMODATE THIS CONVERSION, IT IS RECOMMENDED THAT BOARDS DESIGNED TO THIS PRINT REVISION INCLUDE THESE HOLES.
 - 6. PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE SHEET 4 SECTION Z-Z FOR SURFACE CLASSIFICATIONS. UNDERSIDE OF CAGE COMPLIES WITH CLASS "C".

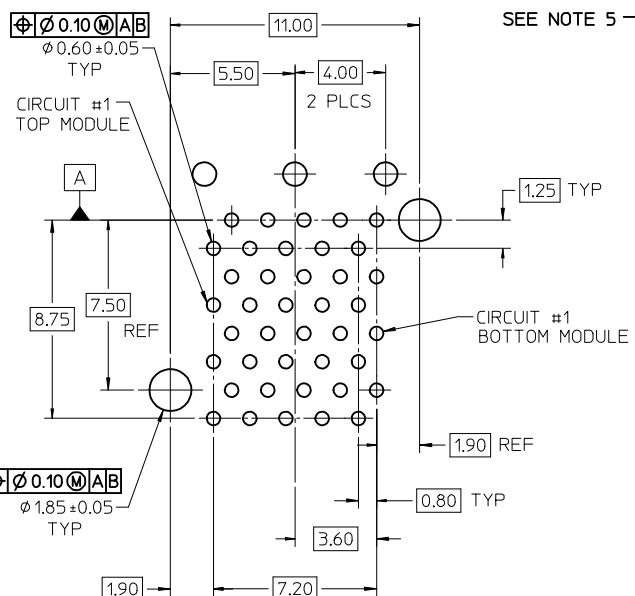
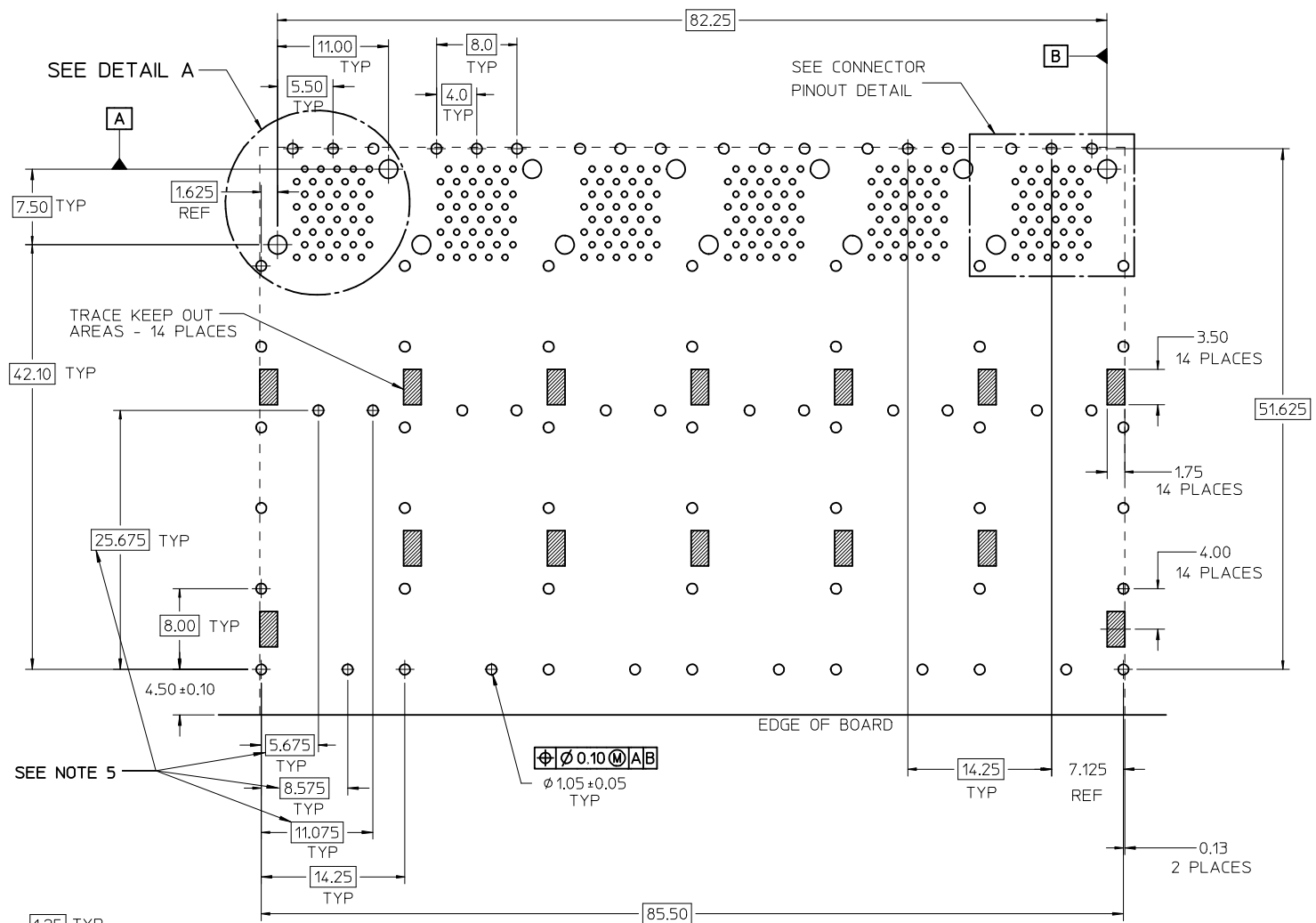
ADD KEEP OUT ZONES EC NO: UCP2010-0369 DRAWN:MSI BARRA 2009/07/09 CHKD: 2009/08/26 APPR:SMILLER 2009/08/27 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY JLONG	DATE 02-04-2004	TITLE STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES MOLEX INCORPORATED DOCUMENT NO. SD-75477-001 SHEET NO. 1 OF 4			
				CHECKED BY KREGNIER	DATE 02-27-2004				
				APPROVED BY KREGNIER	DATE 04-28-2004				
		ANGULAR ± 5 °		MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					



SEE SHEET 1 EC NO: UCP2010-0369 2009/07/09 DRWN:MSI BARRA CHKD: 2009/08/26 APPR:SMILLER 2009/08/27	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		3:1	METRIC		
				mm	INCH	DRAWN BY	DATE	TITLE STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES	MOLEX INCORPORATED	
			4 PLACES	± ---	± ---	JLONG	02-04-2004			
			3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.13	± ---	KREGNIER	02-27-2004			
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-75477-001	SHEET NO. 2 OF 4	
			ANGULAR ± 5 °		KREGNIER	04-28-2004				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE			
					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
C										



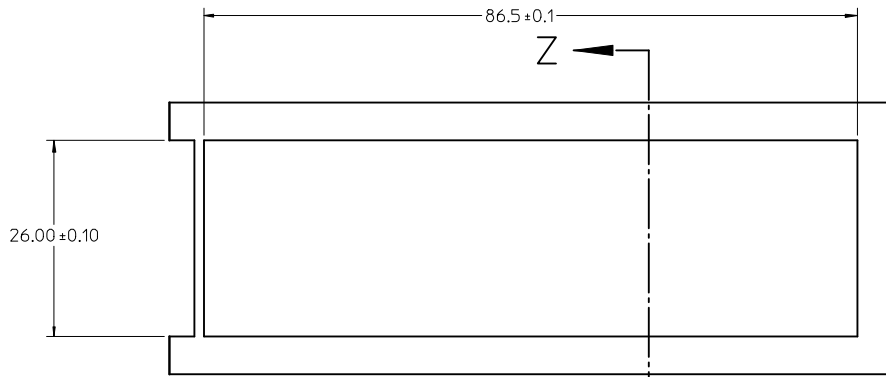
CONNECTOR PINOUT DETAIL
COMPONENT SIDE OF BOARD



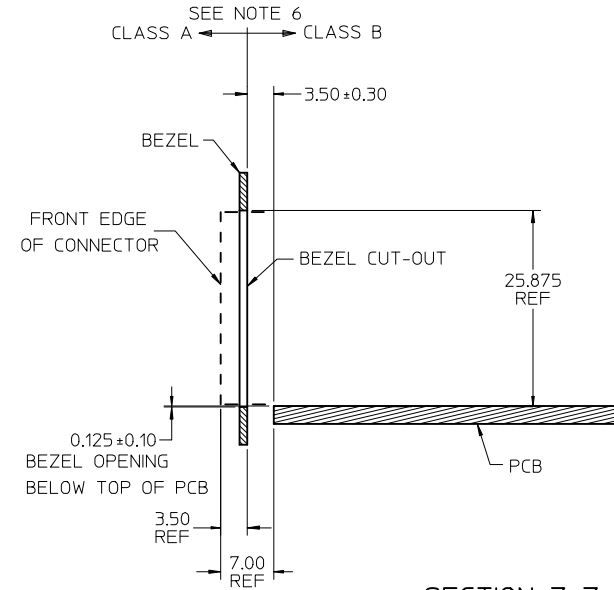
DETAIL A
SCALE 6:1

RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
THIS AREA IS INDICATED BY THE DASHED LINE

ADD KEEP OUT ZONES EC NO: UCP2010-0369 DRWN:MSI BARRA 2009/07/09 CHKD: 2009/08/26 APPR:SMILLER 2009/08/27	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES MOLEX INCORPORATED SD-75477-001 SHEET NO. 3 OF 4		
				mm	INCH	DRAWN BY JLONG	DATE 02-04-2004	TITLE			
			4 PLACES	± ---	± ---	CHECKED BY	DATE 02-27-2004				
			3 PLACES	± ---	± ---	APPROVED BY	DATE 04-28-2004				
			2 PLACES	± 0.13	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO.			
			1 PLACE	± 0.25	± ---	SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			ANGULAR ± 5 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

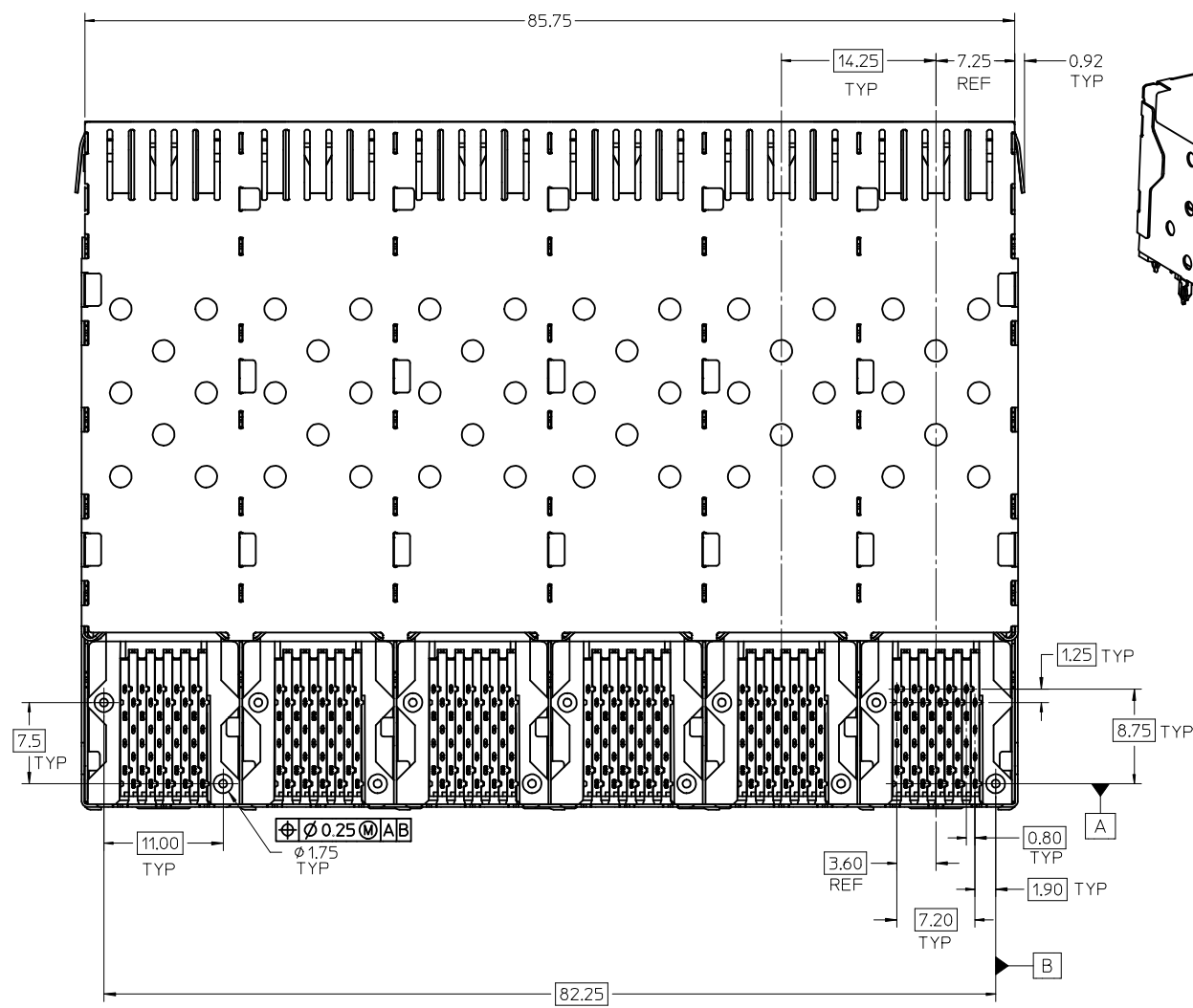
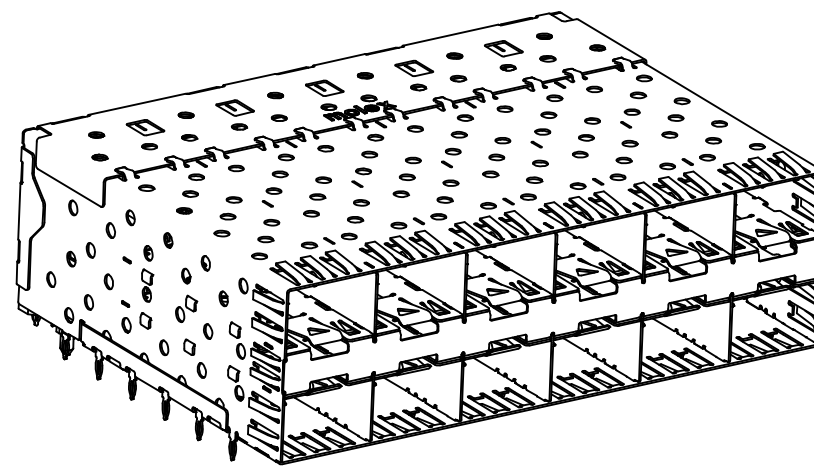


BEZEL CUT-OUT OPENING DETAIL
BEZEL THICKNESS 0.8 - 2.6

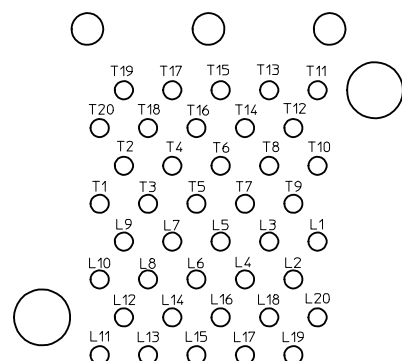


SECTION Z-Z

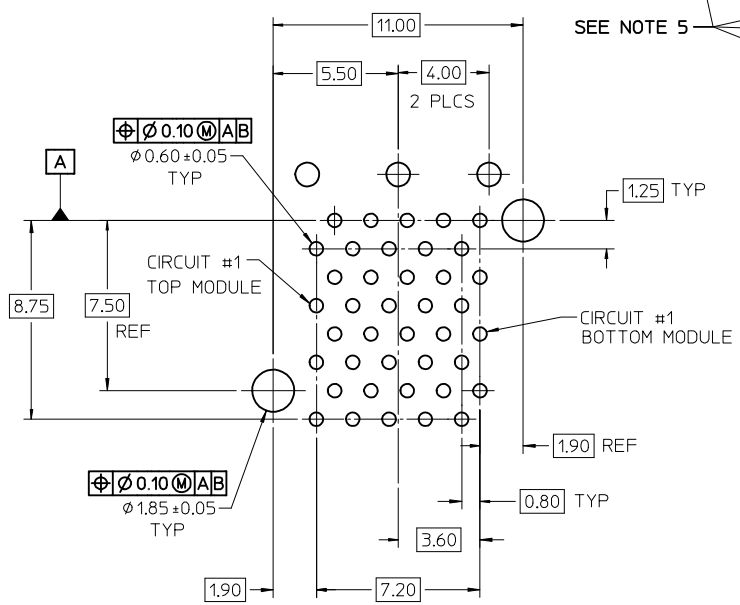
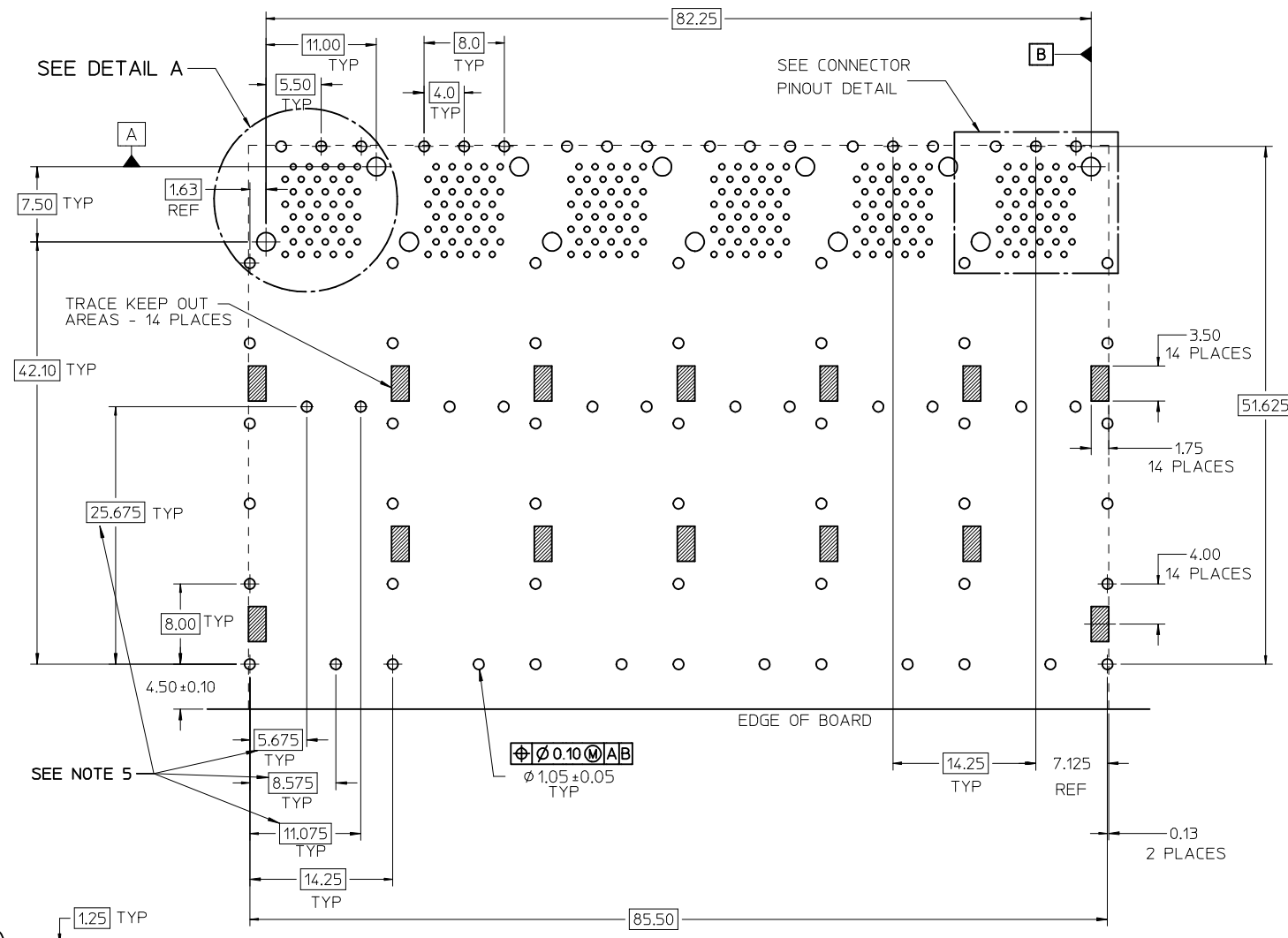
SEE SHEET 1 EC NO: UCP2010-0369 2009/07/09 DRWN:MSI/BARRA CHKD: 2009/08/26 APPR:SMILLER 2009/08/27	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES
				mm	INCH	DRAWN BY DATE JLONG 02-04-2004		TITLE		
			4 PLACES	± ---	± ---	CHECKED BY DATE KREGNIER 02-27-2004				
			3 PLACES	± ---	± ---	APPROVED BY DATE KREGNIER 04-28-2004		molex MOLEX INCORPORATED		
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.		
			1 PLACE	± 0.25	± ---					SHEET NO. 4 OF 4
			ANGULAR ± 5 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-75477-001		
			SIZE			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



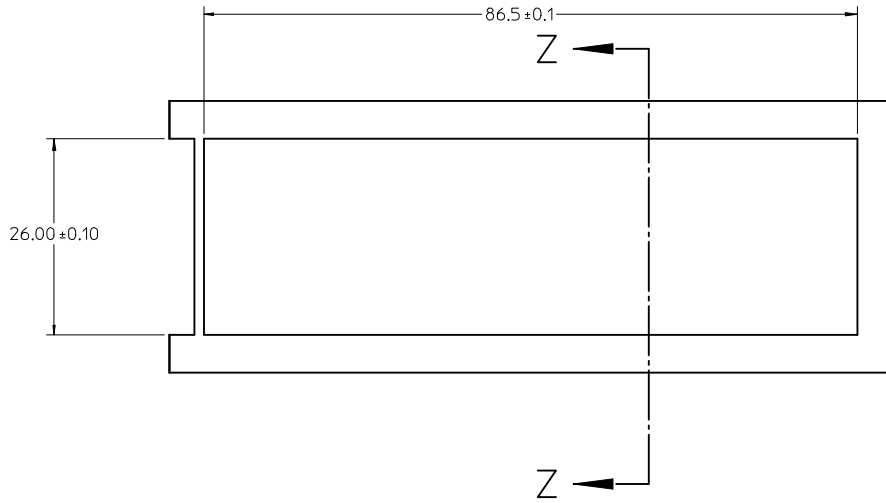
SEE SHEET 1 EC NO: UCP2010-0369 2009/07/09 DRAWN:MSI BARRA CHKD: 2009/08/26 APPR:SMILLER 2009/08/27	REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					DRAWN BY DATE		TITLE STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT FOUNDRY SALES DRAWING			
					DROSCA 01-06-2005					
			4 PLACES ± --- ± ---		CHECKED BY DATE		MOLEX MOLEX INCORPORATED			
			3 PLACES ± --- ± ---		JLONG 01-06-2005					
			2 PLACES ± 0.13 ± ---		APPROVED BY DATE		MATERIAL NO. 754771001 DOCUMENT NO. SD-75477-101			
			1 PLACE ± 0.25 ± ---		RNELSON 02-15-2005					
			ANGULAR ± 5 °				SHEET NO. 2 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



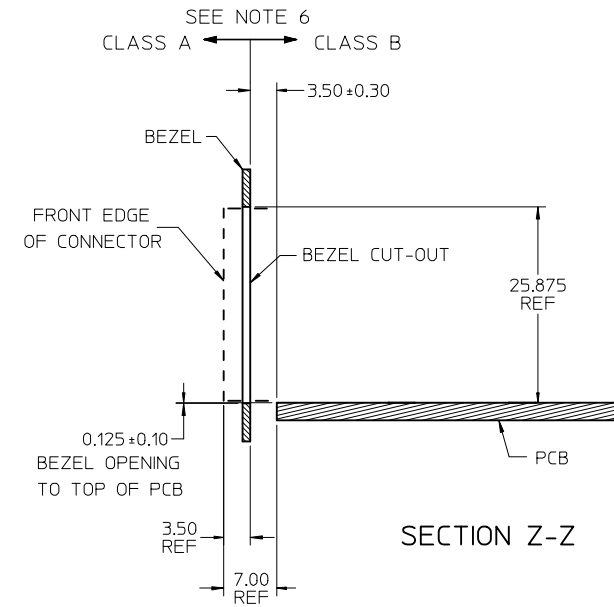
CONNECTOR PINOUT DETAIL
COMPONENT SIDE OF BOARD



ADD KEEP OUT ZONES EC NO: UCP2010-0369 DRAWN:MS/BARRA 2009/07/09 CHKD: 2009/08/26 APPR:SMILLER 2009/08/27	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT FOUNDRY SALES DRAWING MOLEX INCORPORATED	SHEET NO. 3 OF 4
				mm	INCH	DRAWN BY DROSCA	DATE 01-06-2005	TITLE		
			4 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 01-06-2005			
			3 PLACES	± ---	± ---	APPROVED BY RNELSON	DATE 02-15-2005			
			2 PLACES	± 0.13	± ---	MOLEX				
1 PLACE	± 0.25	± ---	ANGULAR ± 5 °		DOCUMENT NO. SD-75477-101					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. 754771001							
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BEZEL CUT-OUT CENTER DETAIL
BEZEL THICKNESS 0.8 - 2.6



SEE SHEET 1 EC NO: UCP2010-0369 DRAWN BY: IBARRA CHKD: JLONG APPR: SMILLER	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	STACKED SFP 2X6 MEDIUM HEIGHT ASS'Y, PRESS-FIT FOUNDRY SALES DRAWING		
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