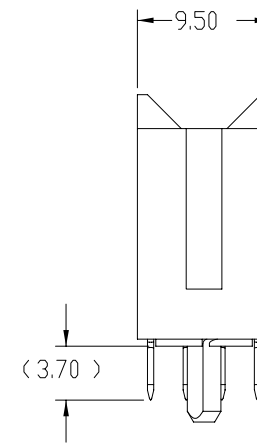
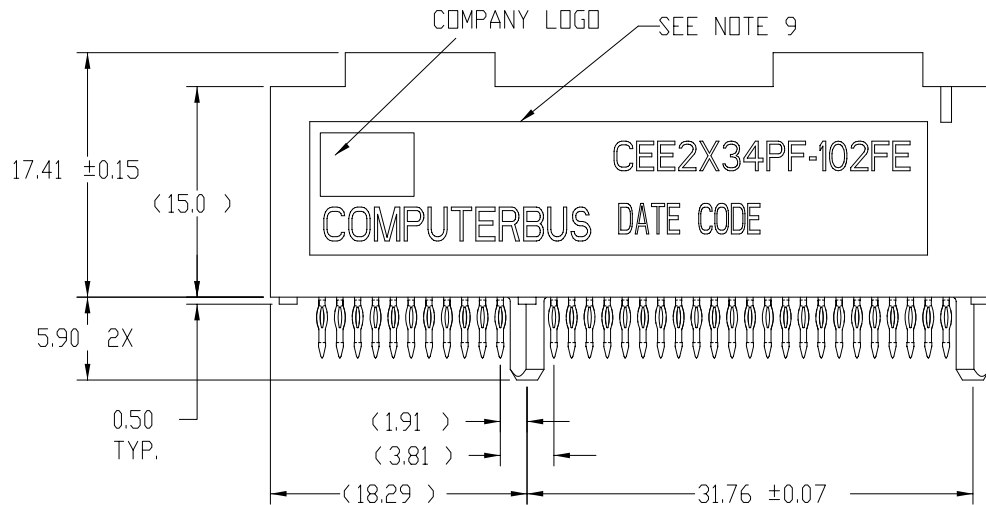
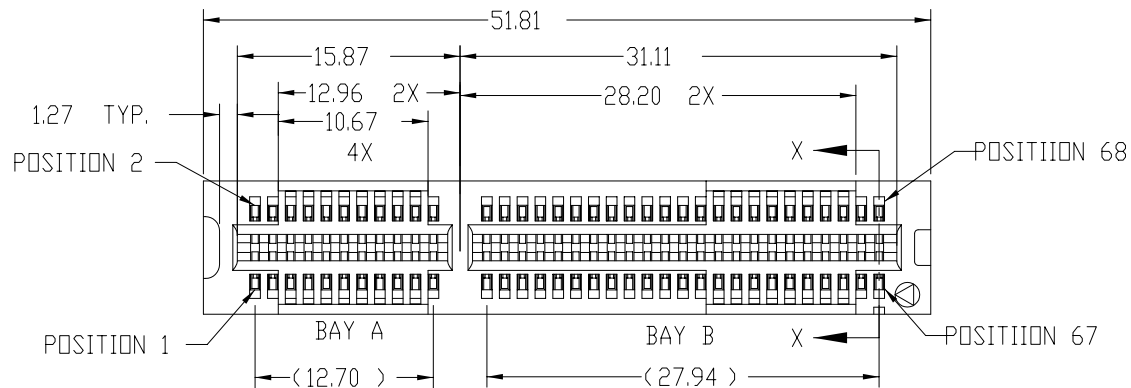




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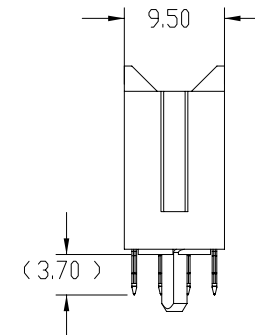
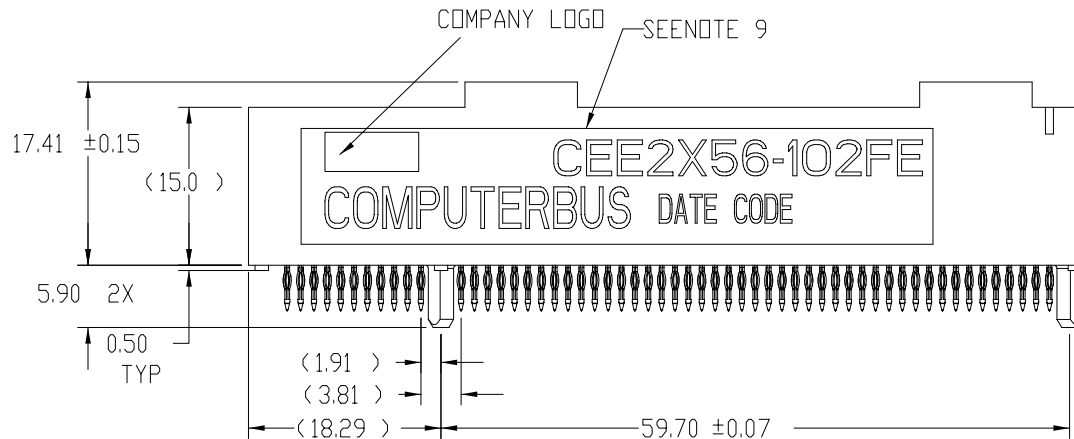
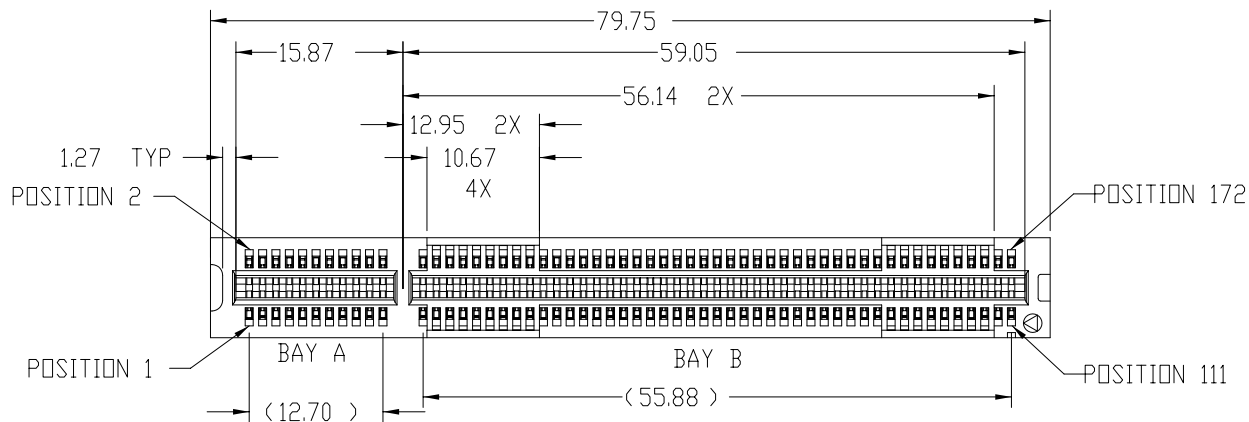
mat'l. code				surface ISO 1302				tolerance ISO 406 ISO 1101		projection		product family CARDEGE					
ltr	ecn no	dr	date	tolerances unless otherwise specified								title					
E	V00805	CW	3/28/00					.X±.2				CEE 2X__PF					
F	V11759	MEP	7/3/01	angles				linear .XX±.10				MM		CONNECTOR ASSEMBLY			
G	V12247	GIP	9/13/01	0°±1°				.XXX±.050				scale 2:1					
H	V04-1156	TAB	12/13/04	dr	G. PETERS			9/13/01					sheet1 of10size				
M05-0075	ERE	04/05/05	enr	D. CASEY			9/14/01			SE94583							
K	M06-0037	MHT	3/30/06	chr	G. PETERS			9/13/01					A3				
L	M06-0234	AGS	06/16/06	appd	D. CASEY			9/13/01									
sheet index		revision sheet		L	L	L	L	L	L	L	L	L	L	L	L		
				1	2	3	4	5	6	7	8	9	10				



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mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection MM	product family CARDEDGE
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 3:2	title
L				angles	linear		CEE 2X__PF
				0°±1°			CONNECTOR ASSEMBLY
		dr	G. PETERS	9/13/01		FCI	dwg no
		enr	D. CASEY	9/14/01			sheet 2 of 10
		chr	G. PETERS	9/13/01			size
		appd	D. CASEY	9/13/01			A3
sheet index	revision sheet						type Product Customer Drawing

form: A3

PDM: Rev:L

STATUS:Released

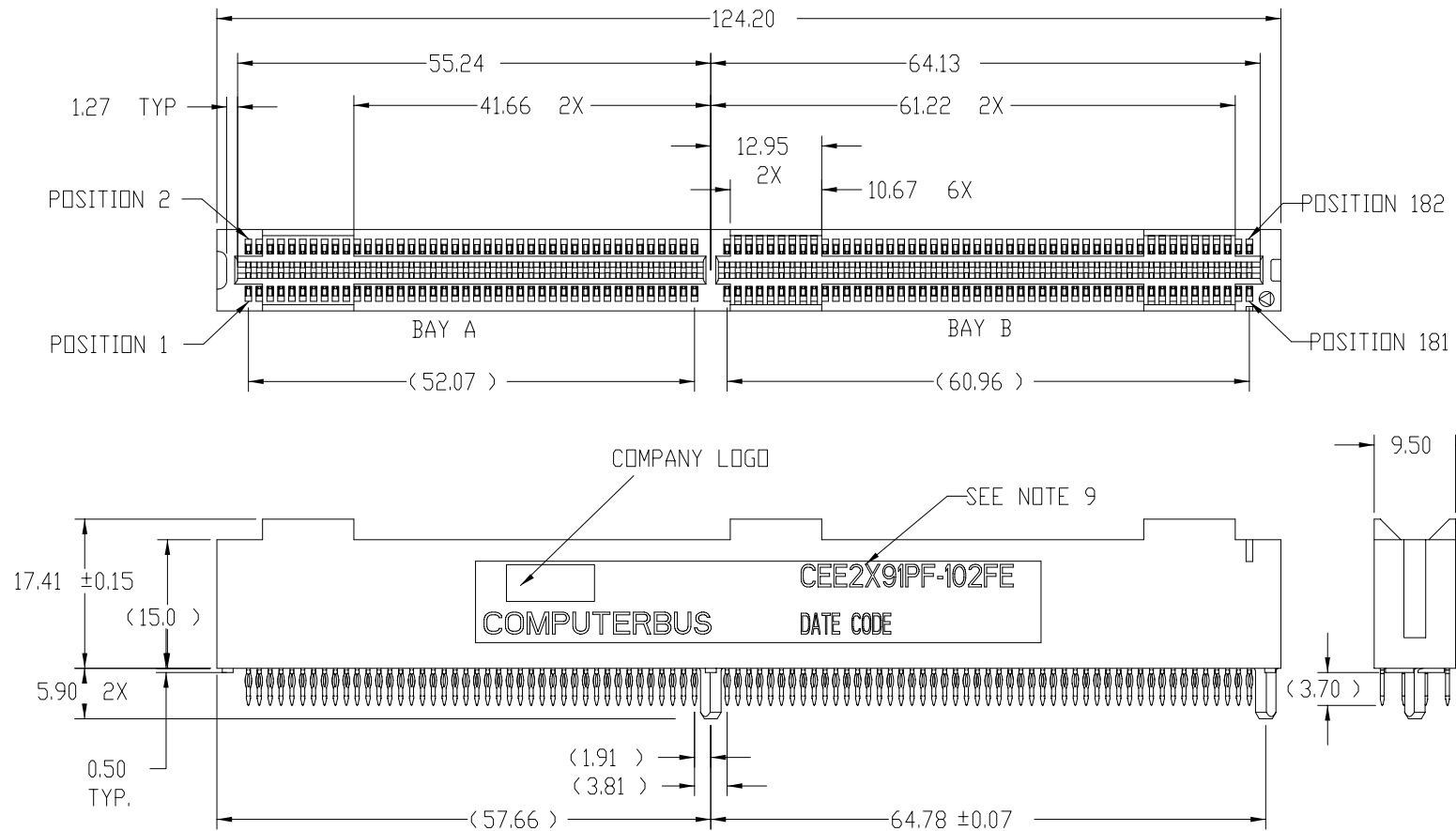
Printed: Dec 19, 2007



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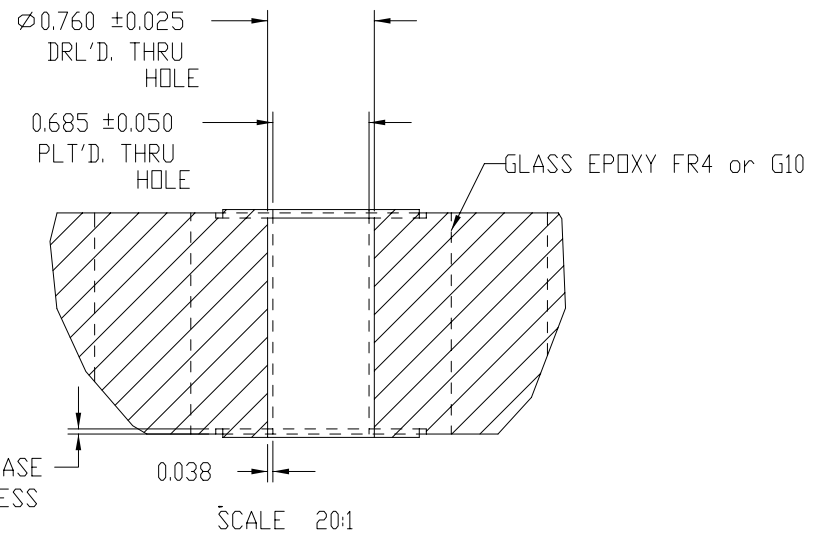
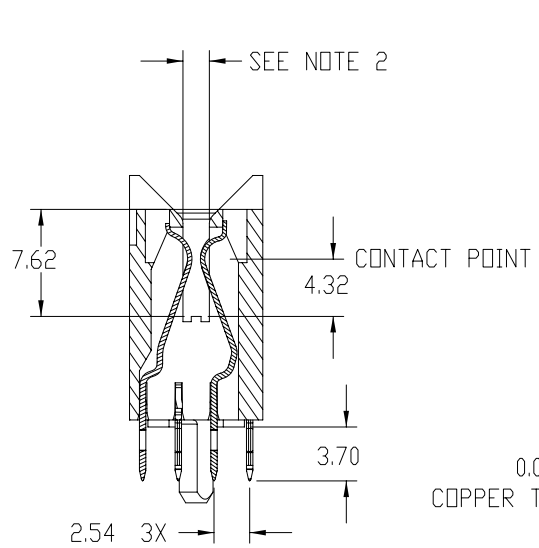
PRODUCT NUMBER
SEE TABLE



mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection MM	product family CARDEdge
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 2:1	title
L				angles	linear		CEE 2X__PF
				0°±1°			CONNECTOR ASSEMBLY
				dr	G. PETERS	9/13/01	dwg no
				enr	D. CASEY	9/14/01	sheet 3 of 10
				chr	G. PETERS	9/13/01	size
				appd	D. CASEY	9/13/01	A3
sheet index	revision sheet						type Product Customer Drawing

form: A3

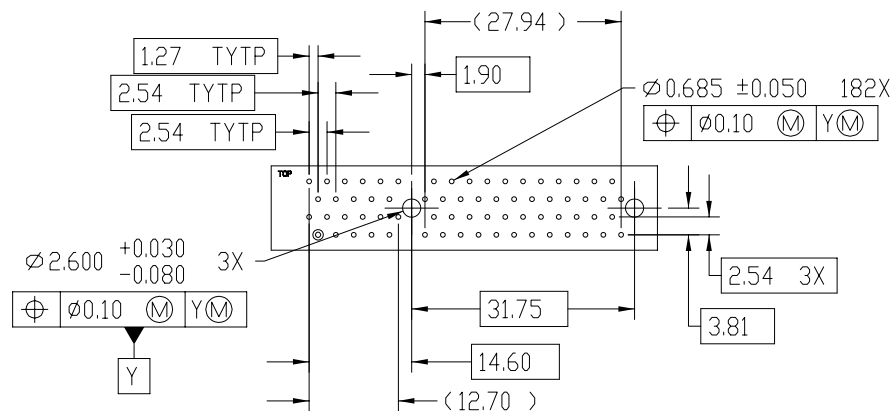
FCI CATALOG NO. F/CONNECTORS w/CARD COLLECTORS	CONNECTOR SIZE	NO. CONTACTS LOADED	TERM.	LOAD PATTERN	CONTACT PAIRS BAY A	CONTACT PAIRS BAY B	CONTACT PAIRS BAY C
CEE2X34PF-102FE	2x34	68	P.F.	FULLY LOADED	11	23	n/a
CEE2X56PF-102FE	2x56	112	P.F.	FULLY LOADED	11	45	n/a
CEE2X91PF-102FE	2x91	182	P.F.	FULLY LOADED	42	49	n/a
CEE2X34PF-102FELF	2x34	68	P.F.	FULLY LOADED	11	23	n/a
CEE2X56PF-102FELF	2x56	112	P.F.	FULLY LOADED	11	45	n/a
CEE2X91PF-102FELF	2x91	182	P.F.	FULLY LOADED	42	49	n/a



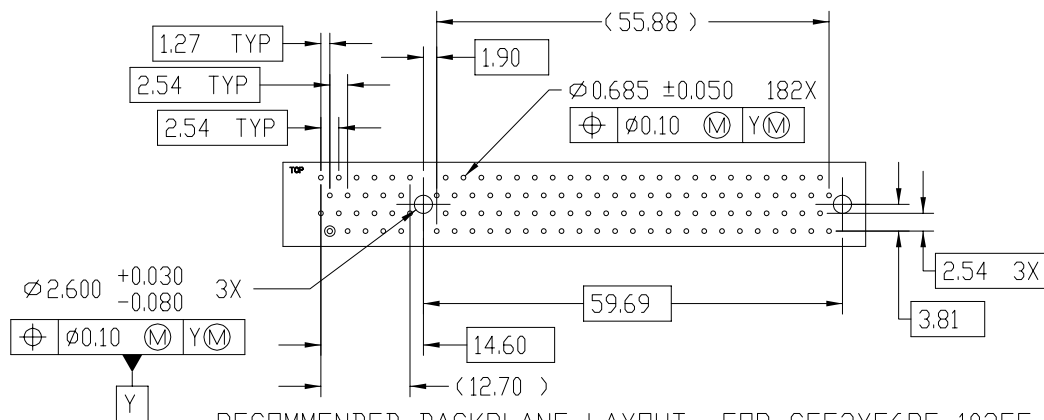
RECOMMENDED PLATED THRU HOLE DIMENSIONS
FOR COMPLIANT PRESS PINS

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection MM	product family CARDEGE
ltr	ecn	no	dr	date	tolerances unless otherwise specified	scale 2:1	title CEE 2X__PF CONNECTOR ASSEMBLY
L					angles linear		dwg no SE94583
					0'±1"		sheet 4 of 10 size A3
					dr G. PETERS 9/13/01		type Product Customer Drawing
					enr D. CASEY 9/14/01		
					chr G. PETERS 9/13/01		
					app D. CASEY 9/13/01		
sheet index	revision sheet						

PRODUCT NUMBER
SEE TABLE



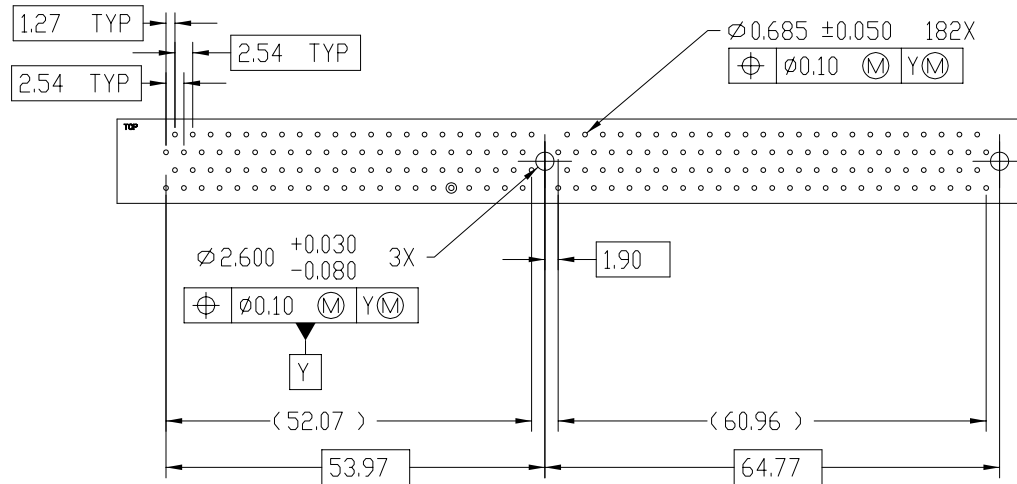
RECOMMENDED BACKPLANE LAYOUT
FOR CEE2X34PF-102FE & CEE2X34PF-102FELF



RECOMMENDED BACKPLANE LAYOUT FOR CEE2X56PF-102FE & CEE2X56PF-102FELF

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection MM	product family CARDEGE
ltr	ecn	no	dr	date	tolerances unless otherwise specified	MM	title
L					angles linear 0°±1°	scale 1:1	CEE 2X__PF CONNECTOR ASSEMBLY
					.X±.2 .XX±.10 .XXX±.050		dwg no
					dr G. PETERS 9/13/01		sheet 5 of 10
					enr D. CASEY 9/14/01		size
					chr G. PETERS 9/13/01		A3
					app D. CASEY 9/13/01		type
sheet	revision						Product Customer Drawing
index	sheet						

PRODUCT NUMBER
SEE TABLE



RECOMMENDED BACKPLANE LAYOUT f/CEE2X91PF-102FE & CEE2X91PF-102FELF

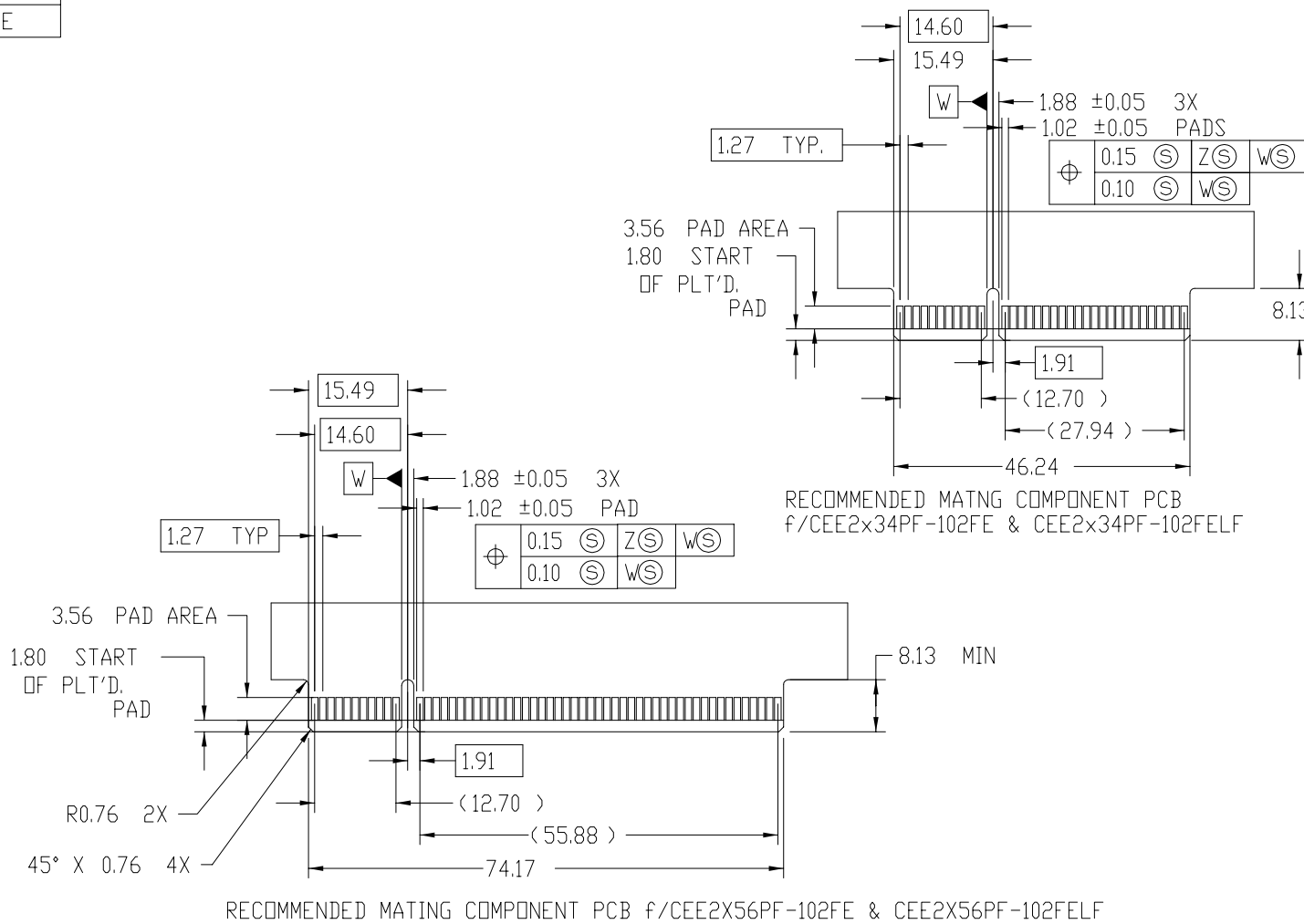
mat'l. code				surface	tolerance	projection	product family
				ISO 1302	ISO 406	ISO 1101	CARDEDGE
ltr	ecr	no	dr	date	tolerances unless otherwise specified		title
L					linear	MM	CEE 2X__PF
					0°±1°	scale 1:1	CONNECTOR ASSEMBLY
			dr	G. PETERS	9/13/01	FCI	dwg no
			enr	D. CASEY	9/14/01		sheet 6 of 10
			chr	G. PETERS	9/13/01		size
			appd	D. CASEY	9/13/01		A3
sheet	revision						type
index	sheet						Product Customer Drawing



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mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection MM	product family CARDEGE
ltr	ecn	no	dr	tolerances unless otherwise specified		scale 2:1	title
L				angles	linear		CEE 2X__PF CONNECTOR ASSEMBLY
				0°±1°	.XX±.10 .XXX±.050		dwg no SE94583
			dr	G. PETERS	9/13/01	FCI	sheet 7 of 10 size A3
			enr	D. CASEY	9/14/01		
			chr	G. PETERS	9/13/01		
			appd	D. CASEY	9/13/01		type Product Customer Drawing
sheet index	revision sheet						

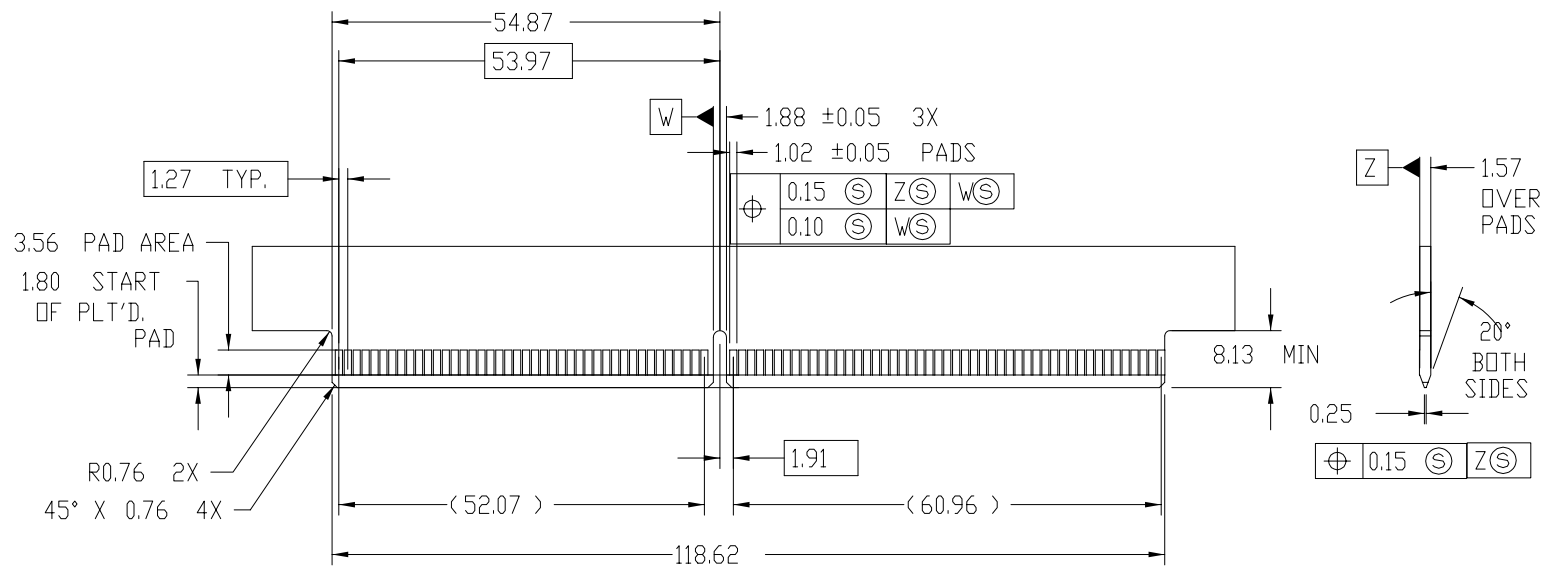
form: A3



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RECOMMENDED MATING COMPONENT PCBf/CEE2X91PF-102FE & CEE2X91PF-102FELF

mat'l. code				surface	tolerance	projection	product family
				ISO 1302	ISO 406		CARDEDGE
				ISO 1101	ISO 1101		
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
L					angles		CEE 2X__PF
					linear		CONNECTOR ASSEMBLY
					0°±1°		
						scale 1:1	dwg no
							sheet 8 of 10
							size
							A3
							type
							Product Customer Drawing

form: A3

PDM: Rev:L

STATUS:Released

Printed: Dec 19, 2007

PRODUCT NUMBER
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NOTES:

1. INTERPRET THIS DRAWING IN ACCORDANCE WITH ANSI Y14.5M -1982.
2. CONNECTORS WITH CARD COLLECTING SCOOPS ARE DESIGNED TO ACCOMMODATE 1.57+/- .180 PC BOARDS WITH WARPAGE UP TO +/-2.03.
3. RECOMMENDED COMPONENT BOARD MATERIAL:
P.C. BOARD:FR-4 WITH 28.35 GRAMS MIN. COPPER, PADS PLATED WITH .76 MICRONS MIN GOLD, PER MIL-G-45204, TYPE 1, CLASS 1, GRADE C OVER 2.54 MICRONS MIN NI UNDERPLATE PER QQ-N-290.
4. RECOMMENDED BACK PLANE THICKNESS IS 2.39 FOR 3.71 COMPLIANT TAIL.
5. CONTACT MATING SURFACES ARE LUBRICATED WITH OS-138.
6. MATERIAL:

BODY: POLYPHTHALAMIDE (PPA) UL RATED 94V-0
COLOR, BLACK

CONTACTS: PHOS BRONZE, PER FCI SPEC. M738

CONTACT FINISH: FE 0.75 MICRONS MIN GOLD IN CONTACT
AREA 1-3 MICRONS MIN 60/40 TIN LEAD ON SOLDER TAILS
2 MICRONS MIN NI UNDERPLATE ALL OVER.

LEAD FREE OPTION:

CONTACT FINISH: FE 0.75 MICRONS MIN GOLD IN CONTACT
AREA 1-3 MICRONS MIN PURE TIN ON SOLDER TAILS
2 MICRONS MIN NI UNDERPLATE ALL OVER.

7. PERFORMANCE CHARACTERISTICS: SEE SHEET 7.
8. APPLICATION SPECIFICATION PER BUS-09-026.
9. ITEM NAME, LOGO, PART NUMBER, DATE CODE, AND UL SYMBOLS TO APPEAR IN THIS AREA. }

10. LF SUFFIX AT THE END OF PART NUMBER IS LEAD FREE.

11. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family CARDEGE			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
L				angles	linear	.X±.2				CEE 2X__PF			
						.XX±.10				CONNECTOR ASSEMBLY			
				0°±1°		.XXX±.050		scale 1:1		dwg no			
				dr	G. PETERS	9/13/01				sheet9 of10size			
				enr	D. CASEY	9/14/01				SE94583			
				chr	G. PETERS	9/13/01				A3			
				appd	D. CASEY	9/13/01				type			
sheet index		revision sheet								Product	Customer	Drawing	



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PERFORMANCE CHARACTERISTICS:

ENVIRONMENTAL:

OPERATING TEMPERATURE: -40C TO 105C

THERMAL SHOCK: MIL-STD-1344, METHOD 1003.1)-55C TO +85C, 5 CYCLES)

FLAMABILITY RATING: UL94V-0

MECHANICAL:

DURABILITY: 100 MATING CYCLES WITHOUT PHYSICAL DAMAGE, OR EXCEEDING LOW LEVEL CONTACT
RESISTANCE REQUIREMENTS WHEN MATED WITH RECOMMENDED CARD.

CONTACT RETENTION: MIL-STD-1344, METHOD 2007.1, 4.4 N MIN.

MATING FORCE: MIL-STD-1344, METHOD 2013.1 2.0 N MAX. AVERAGE PER OPPOSING PAIR USING
GAUGE PER MIL-STD-C-21097 WITH CARD PROFILE

CONTACT NORMAL FORCE: 0.72 N MINIMUM

PRESS FIT TERMINATION FORCES: INSERTION FORCE 70 N MAX. PER PIN
RETENTION FORCE 9 N MIN. PER PIN

ELECTRICAL:

CONTACT RESISTANCE: MIL-STD-1344, METHOD 3002-1, WITH 10 MILLIOHM MAX. INITIAL, 20
(LOW SIGNAL LEVEL) MILLIOHM RISE. COMPONENT BOARD SIDE - 1 MILLIOHM MAX., CONNECTION
PRESS FIT PIN WITH w/PLATED THROUGH HOLE.

INSULATION RESISTANCE: MIL-STD-202, METHOD 302, CONDITION B, 1000 MEGAOHMS MIN.

DIELECTRIC WITHSTAND VOLTAGE: MIL-STD-1344, METHOD D3001.1 CONDITION 1, 500 VAC RM

CAPACITANCE: 2 PICO FARADS, MAX AT 1 MEGAHERTZ

CURRENT RATING: 1 AMP, 30C RISE ABOVE AMBIENT

VOLTAGE RATING: 150 VAC (RMS)

mat'l. code				surface	tolerance	projection	product family
				ISO 1302	ISO 406 ISO 1101		CARDEDGE
ltr	ecr	no	dr	date	tolerances unless otherwise specified		title
L					angles		CEE 2X__PF
					linear		CONNECTOR ASSEMBLY
					0°±1°	scale 1:1	dwg no
							sheet 10 of 10
					dr G. PETERS		size
					enr D. CASEY		A3
					chr G. PETERS		SE94583
					appd D. CASEY		type Product Customer Drawing
sheet	revision						
index	sheet						

form: A3