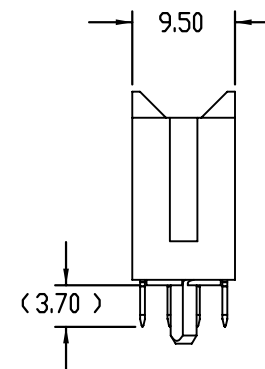
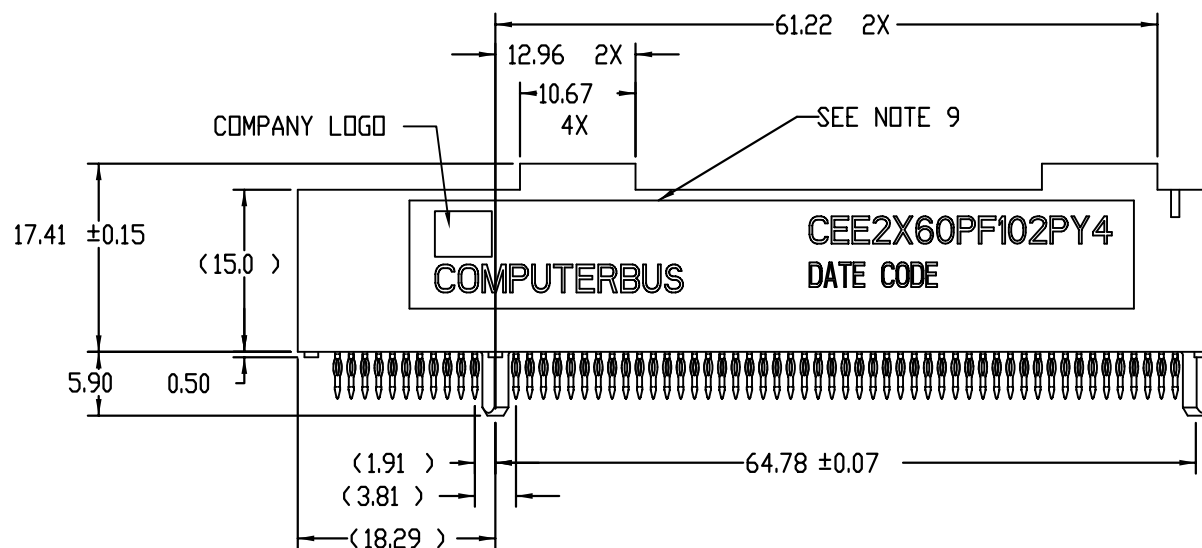
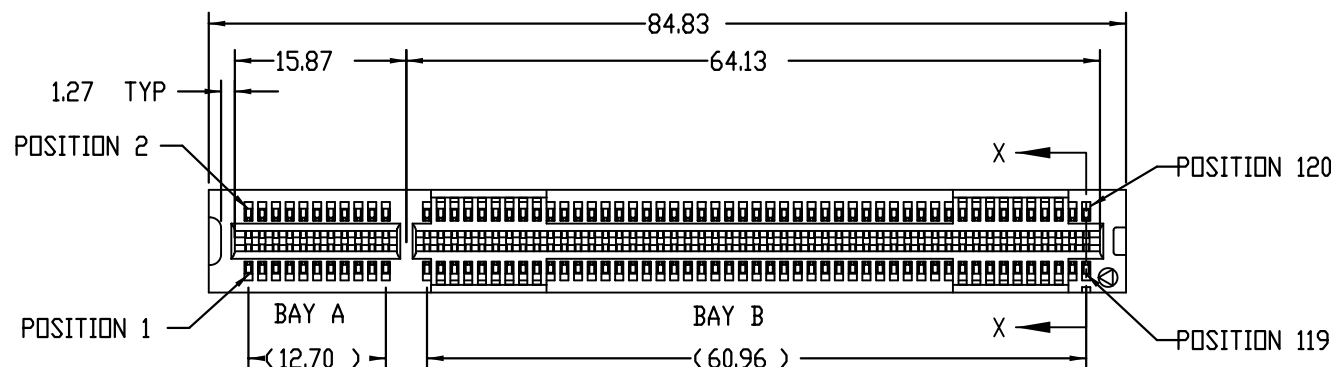


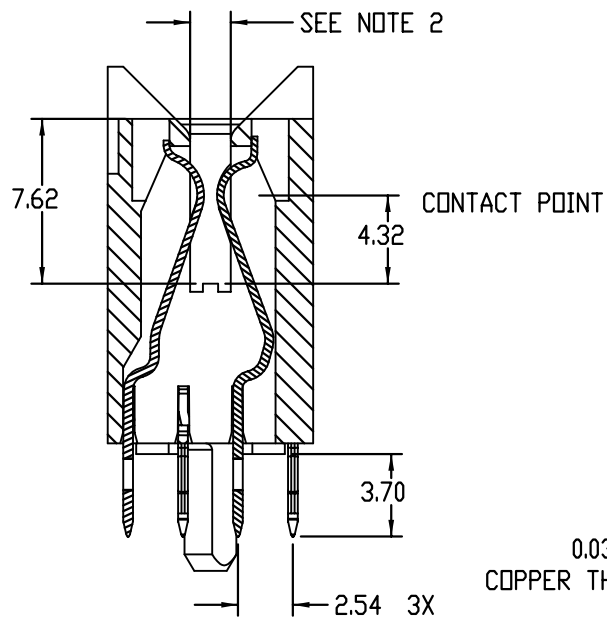
PRODUCT NUMBER
SEE TABLE



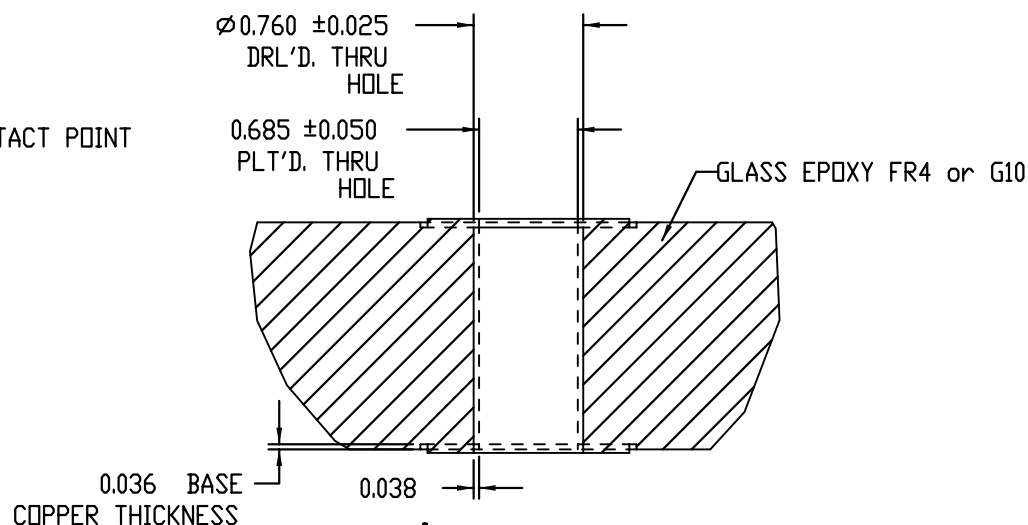
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family CARDEDGE
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title CEE 2X60 PF CONNECTOR ASSEMBLY
H	V04-1156	TAB	12/08/04	angles	.X±.2	scale 3:2	dwg no S97191
J	M05-0075	ERE	04/25/05	linear	.XX±.10		sheet 1 of 6 size A3
K	M06-0037	MHT	3/30/06	0°±1°	.XXX±.050		type Product Customer Drawing
L	M06-0234	AGS	06/16/06	dr	G. PETERS	9/12/01	
M	M06-0325	MHT	8/24/06	engr	D. CASEY	9/24/01	
N	M06-0427	AGS	10/26/06	chr	G. PETERS	9/12/01	
P	M08-0221	AGS	07/08/08	appd	D. CASEY	9/12/01	
sheet	revision	P	P	P	P	P	
index	sheet	1	2	3	4	5	6

form: A3

FCI CATALOG NO. F/CONNECTORS W/CARD COLLECTORS	CONNECTOR SIZE	NO. CONTACTS LOADED	TERMINATION	LOAD PATTERN UNPOPULATED POSITIONS	CONTACT PAIRS BAY A	CONTACT PAIRS BAY B	CONTACT PAIRS BAY C
CEE2X60PF-102PY4	2x60	120	PRESS FIT	FULLY LOADED	11	49	n/a
CEE2X60PF-102PY4W	2x60	120	PRESS FIT	FULLY LOADED	11	49	n/a
CEE2X60PF-102PY4LF	2x60	120	PRESS FIT	FULLY LOADED	11	49	n/a
CEE2X60PF102PY4WLF	2x60	120	PRESS FIT	FULLY LOADED	11	49	n/a



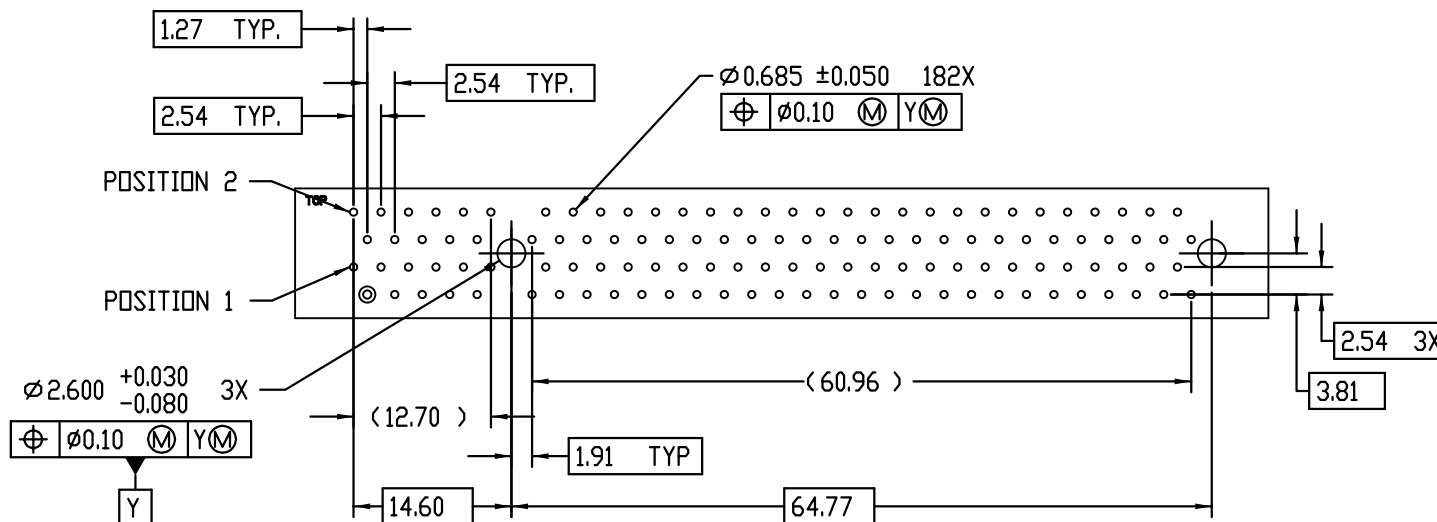
SECTION X-X



RECOMMENDED PLATED THRU HOLE DIMENSIONS
FOR COMPLIANT PRESS PINS

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101	projection 	product family CARDEGE	
ltr	ecr no	dr	date	tolerances unless otherwise specified				title CEE 2X60 PF CONNECTOR ASSEMBLY	
P				angles	linear	.X $\pm$.2 .XX $\pm$.10 .XXX $\pm$.050	MM scale 3:2	dwg no S97191	
				0° $\pm$ 1°				sheet 2 of 6 size A3	
				dr	G. PETERS	9/12/01		type Product Customer Drawing	
				enr	D. CASEY	9/24/01			
				chr	G. PETERS	9/12/01			
				appd	D. CASEY	9/12/01			
sheet index	revision sheet								

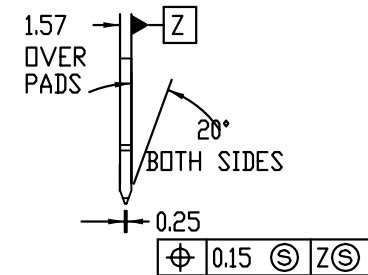
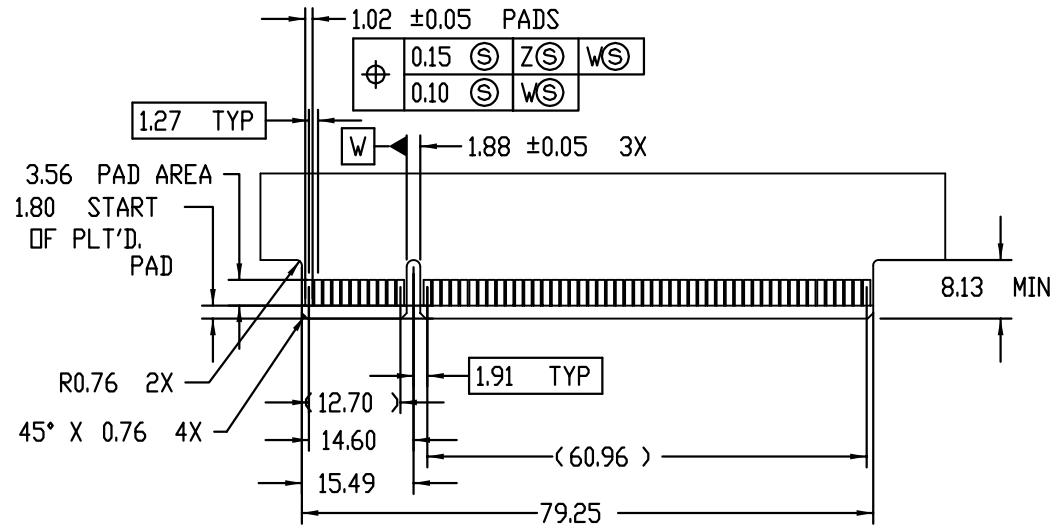
PRODUCT NUMBER
SEE TABLE



RECOMMENDED BACKPLANE HOLE PATTERN FOR CEE2x60PF-102PY4 & CEE2X60PF-102PY4LF
CEE2x60PF-102PY4W & CEE2X60PF102PY4WLF

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family
ltr	ecr no	dr	date	tolerances unless otherwise specified		MM	CARDEDGE
P				angles	.X±.2	MM	CEE 2X60 PF
				linear	.XX±.10	scale 3:2	CONNECTOR ASSEMBLY
				0°±1°	.XXX±.050		dwg no
				dr	G. PETERS 9/12/01	FCI	sheet 3 of 6 size
				engr	D. CASEY 9/24/01		S97191 A3
				chr	G. PETERS 9/12/01		
				appd	D. CASEY 9/12/01		type Product Customer Drawing
sheet index	revision sheet						

PRODUCT NUMBER
SEE TABLE



RECOMMENDED MATING COMPONENT BOARD FOR CEE2x60PF-102PY4 & CEE2X60PF-102PY4LF
CEE2x60PF-102PY4W & CEE2X60PF102PY4WLF

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
P				angles	linear	.X±.2 .XX±.10 .XXX±.050	CEE 2X60 PF CONNECTOR ASSEMBLY
				0°±1°		scale 3:2	dwg no
				dr	G. PETERS	9/12/01	sheet 4 of 6 size
				enr	D. CASEY	9/24/01	A3
				chr	G. PETERS	9/12/01	
				appd	D. CASEY	9/12/01	
sheet index	revision sheet						type Product Customer Drawing

PRODUCT NUMBER
SEE TABLE

NOTES:

1. INTERPRET THIS DRAWING IN ACOCRDANCE 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 COMPLIANTTAIL.
5. CONTACT MATING SURFACES ARE LUBRICATED WITH OS-138.
6. MATERIAL:

BODY: POLYPHTHALAMIDE (PPA) UL RATED 94V-0
COLOR, BLACK
LIQUID CRYSTAL POLIMER (LCP) 30% GF
COLOR, NATURAL

CONTACTS: PHOS BRONZE

CONTACT FINISH:

MAYBE BE EITHER 30μ"(0.76μm) GOLD OR 30μ"(0.76μm) GXT PLATED
AT MANUFACTURER'S OPTION IN CRITICAL CONTACT AREA.

1-3μm (39-118μ") TIN-LEAD OVER 1.27μm(50μ") NI UNDERPLATE
ON CONTACT TAILS.

LEAD FREE OPTION:

MAYBE BE EITHER 30μ"(0.76μm) GOLD OR 30μ"(0.76μm) GXT PLATED
AT MANUFACTURER'S OPTION IN CRITICAL CONTACT AREA.

1-3μm (39-118μ") PURE TIN OVER 1.27μm(50μ") NI UNDERPLATE
ON CONTACT TAILS.

7. PERFORMANCE CHARACTERISTICS: SEE SHEET 7.
8. ITEM NAME, LOGO, PART NUMBER, DATE CODE, AND UL SYMBOLS TO BE DISPLAYED IN THIS AREA. NATURAL COLOR CONNECTOR ONLY WILL HAVE DATE CODE DISPLAYED.
9. LF SUFFIX AT THE END OF PART NUMBER IS LEAD FREE.
10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
11. PART NUMBERS WITH "W" AT THE END OR "W" BEFORE "LF" ARE MOLDED IN NATURAL COLOR.

mat'l. code				surface ISO 1302 ✓ ISO 406 ISO 1101		tolerance ISO 406 ISO 1101		projection MM		product family CARDEGE	
ltr	ecn no	dr	date	tolerances unless otherwise specified							
P				angles	linear	.X±.2		MM		title CEE 2X60 PF CONNECTOR ASSEMBLY	
				0°±1°		.XX±.10		scale 3:2		dwg no S97191	
				dr	G. PETERS	9/12/01		FCI		sheet 5 of 6 size A3	
				enr	D. CASEY	9/24/01				type Product Customer Drawing	
				chr	G. PETERS	9/12/01					
				appd	D. CASEY	9/12/01					
sheet index	revision sheet										

PRODUCT NUMBER
SEE TABLE

PERFORMANCE CHARACTERISTICS:

ENVIRONMENTAL:

OPERATING TEMPERATURE: -40C TO 105C

THERMAL SHOCK: EIA-364 TP32, -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: EIA-364 TP29, 4.4 N MIN.

MATING FORCE: EIA-364 TP13, 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: EIA-364 TP45, 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: EIA-364 TP45, 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 ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family CARDEDGE			
ltr	ecr no	dr	date	tolerances unless otherwise specified						 MM scale 3:2		title	
P				angles	linear	.X±.2		CEE 2X60 PF					
				0°±1°		.XX±.10		CONNECTOR ASSEMBLY					
						.XXX±.050				dwg no		sheet 6 of 6	size
				dr	G. PETERS	9/12/01				S97191		A3	
				engr	D. CASEY	9/24/01							
				chr	G. PETERS	9/12/01							
				appd	D. CASEY	9/12/01				type		Product Customer Drawing	
sheet index	revision sheet												