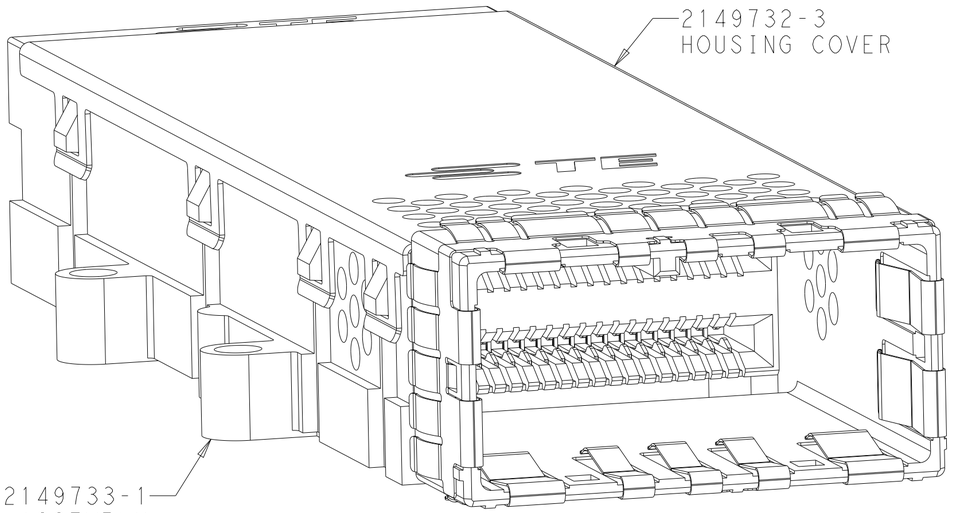
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED ECO-14-003843	31MAR2014	LAW	SB
	A1	REVISED PER ECN-24-264411	06MAY2024	TR	SLB



2149731-1
SCALE 5:1

△1 PCB THICKNESS = 1.44 MIN

△2 FOR HOLE SIZE AND FINISHES SEE APPLICATION SPECIFICATION 114-13283

△3 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY CROSSHATCHING, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN, CROSSHATCHING TO BE CONDUCTIVE

4. MOUNTING HARDWARE REQUIRED:
M2X0.4 (4): MOUNTING SCREW LENGTH = BOARD THICKNESS + 8mm MAX

△5 FEATURES IN PHANTOM LINES ARE RELATED TO USE WITH CONNECTOR, PN 2149699-X AND GANGED SIDE BY SIDE APPLICATION

△6 MATERIALS:
HOUSING - ZINC ALLOY
RECEPTACLE HOUSING - LCP, BLACK, UL 94V-0 RATED
CHICKLET - LCP, BLACK, UL 94V-0 RATED
CONTACT - PHOSPHOR BRONZE
EMI SPRING - COPPER ALLOY

△7 FINISH:
CONTACT - CONFORMS TO THE REQUIREMENTS OF TE PRODUCT SPECIFICATION 108-2426, BASED ON EIA/ECA-364-1000.01A, (CONTROLLED ENVIRONMENT APPLICATIONS) ON MATING INTERFACE, MATTE TIN PLATE OVER NICKEL UNDERPLATE ON COMLIANT PIN
HOUSING - NICKEL PLATE

△8 NOTE DELETED

PART NUMBER	DESCRIPTION	FINISH	84 POSITION RECEPTACLE ASSEMBLY
2149731-2	84 POSITION RECEPTACLE ASSEMBLY WITH COVER	△8	OBSOLETE 2149733-2
2149731-1	84 POSITION RECEPTACLE ASSEMBLY WITH COVER	△7	OBSOLETE 2149733-1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.2
1 PLC ±0.1
2 PLC ±0.05
3 PLC ±-
4 PLC ±-
ANGLES ±1°

MATERIAL △6

FINISH △7

DWN M.E. COWHER 22SEP2010
CHK M.D. MORRISON 22SEP2010
APVD M.D. MORRISON 22SEP2010
PRODUCT SPEC 108-2426
APPLICATION SPEC 114-13283
WEIGHT -

TE Connectivity

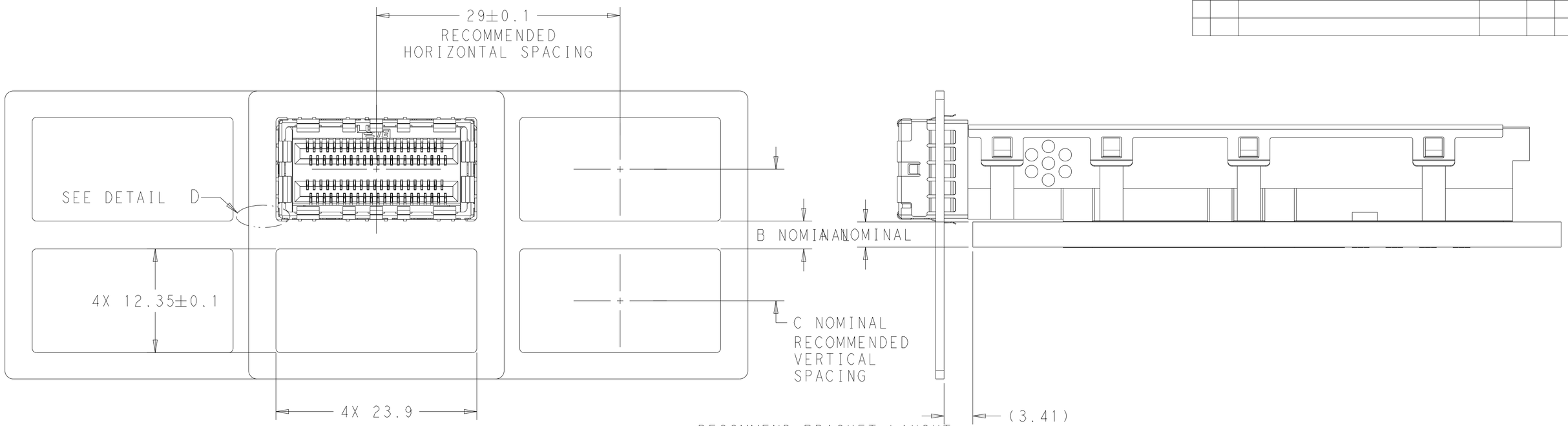
NAME RECEPTACLE ASSEMBLY WITH COVER, BELLY-BELLY, EXTENDED, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149731	-

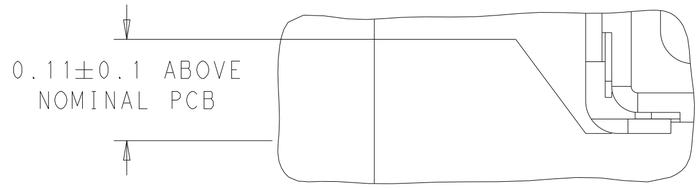
Customer Drawing | SCALE 1:1 | SHEET 1 OF 3 | REV A1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



RECOMMEND BRACKET LAYOUT
SCALE 3:1



DETAIL D
SCALE 15:1

12.57+A	0.22+A	PCB THICKNESS
C	B	A

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.2
1 PLC ±0.1
2 PLC ±0.05
3 PLC ±-
4 PLC ±-
ANGLES ±1°

MATERIAL

FINISH

DWN M.E. COWHER 22SEP2010
CHK M.D. MORRISON 22SEP2010
APVD M.D. MORRISON 22SEP2010
PRODUCT SPEC 108-2426
APPLICATION SPEC 114-13283
WEIGHT -

TE Connectivity

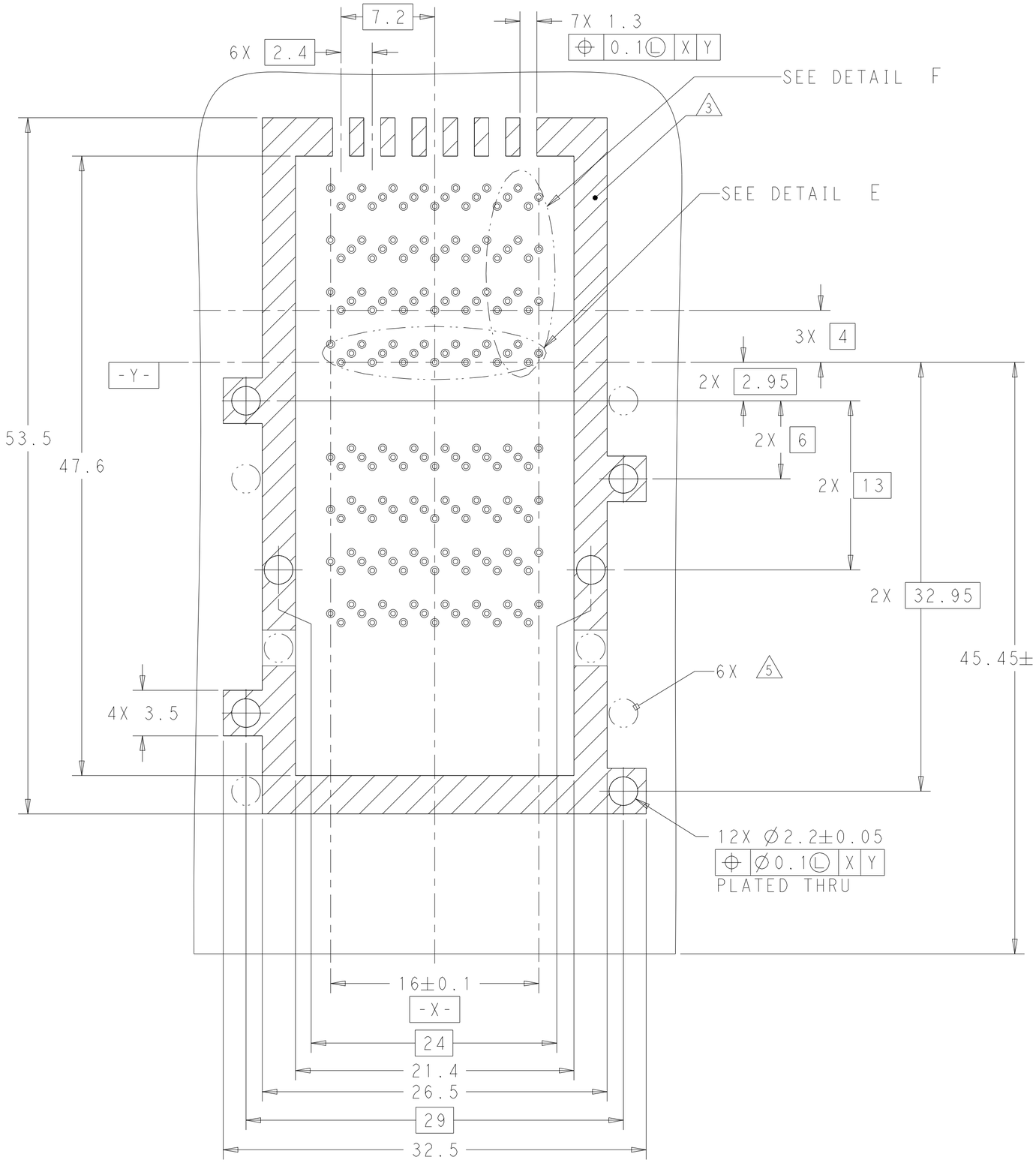
NAME RECEPTACLE ASSEMBLY WITH COVER, BELLY-BELLY, EXTENDED, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149731	-

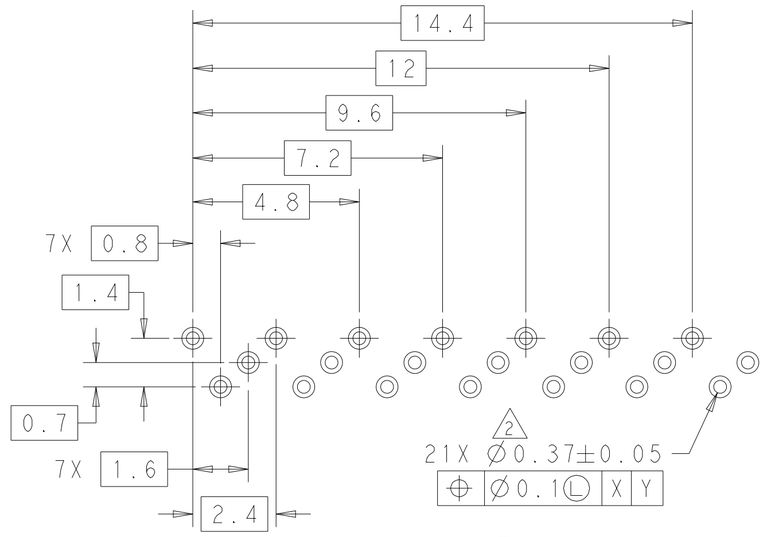
Customer Drawing | SCALE 1:1 | SHEET 2 OF 3 | REV A1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

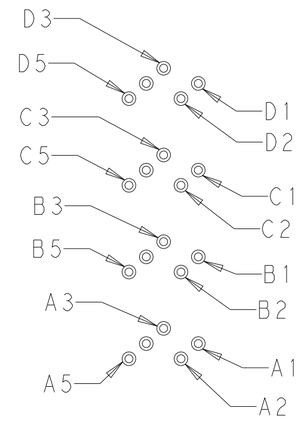
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



1 2 3 RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN
SCALE 4:1



DETAIL E
4X INDIVIDUALLY
SCALE 8:1



DETAIL F
PIN CALLOUT (TYPICAL)
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.2
1 PLC ±0.1
2 PLC ±0.05
3 PLC ±-
4 PLC ±-
ANGLES ±1°

MATERIAL

FINISH

DWN M.E. COWHER 22SEP2010
CHK M.D. MORRISON 22SEP2010
APVD M.D. MORRISON 22SEP2010
PRODUCT SPEC 108-2426
APPLICATION SPEC 114-13283
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY WITH COVER, BELLY-BELLY, EXTENDED, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149731	-

Customer Drawing | SCALE 1:1 | SHEET 3 OF 3 | REV A1