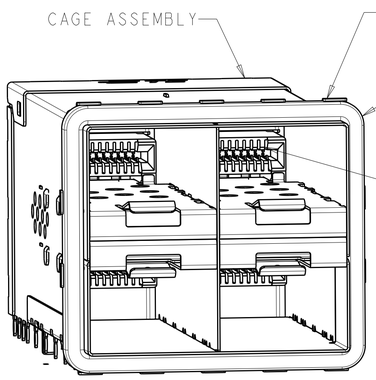
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

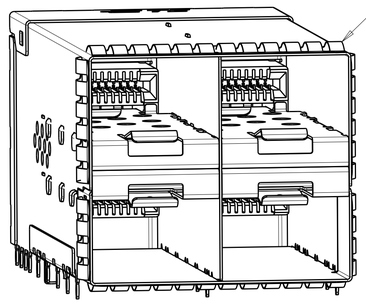
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO-14-008758	13JUN2014	CJV	PAR
	B	REVISED PER ECO-15-010819	10AUG2015	PP	SH



2198325-1
SCALE 3:1



2198325-5
SCALE 3:1

1. MATERIALS:
   CAGE ASSEMBLY - NICKEL-SILVER ALLOY PER ASTM B 122
   CONNECTOR HOUSING - LCP, BLACK, UL 94V-0 RATED
   CONNECTOR HOUSING SHIELD - COPPER ALLOY
   CHICKLET - LCP, BLACK, UL 94V-0 RATED
   CHICKLET ALIGNMENT CLIP - PBT
   CONTACT - COPPER ALLOY
   EMI GASKET - ELASTOMERIC
   GASKET FLANGE - STAINLESS STEEL
   EMI SPRINGS - PHOSPHOR BRONZE PER ASTM B 103,
   0.8µm MIN TIN PER ASTM B 545
   LIGHT PIPE - POLYCARBONATE
   LIGHT PIPE HOUSING - ZINC ALLOY

2. CONTACT FINISH:
   CONFORMS TO THE REQUIREMENTS OF PRODUCT SPECIFICATION 108-2481, BASED ON EIA/ECA-364-1000.01A, CONTROLLED ENVIRONMENT APPLICATIONS) ON MATING INTERFACE, TIN ON NEEDLE EYE

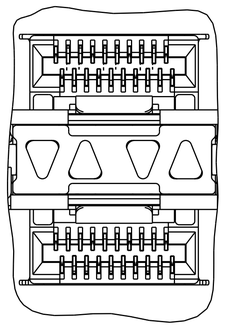
3. PCB MINIMUM THICKNESS = 1.5mm

△4 FOR HOLE SIZE AND PLATINGS, SEE APPLICATION SPECIFICATION 114-13319

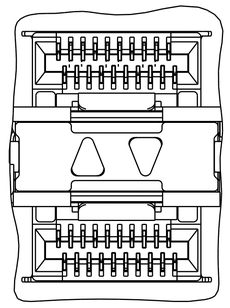
△5 LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW PROFILE LED PACKAGE WITH A HEIGHT OF 0.8mm

△6 DIMENSIONS APPLY FOR EMI SPRINGS ONLY

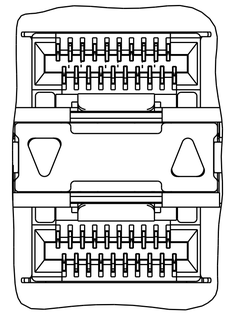
△7 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN



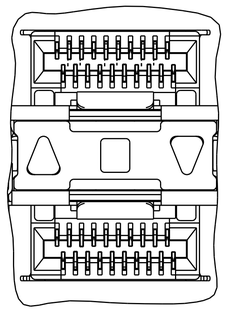
INNER/OUTER LIGHT PIPES
2198325-2, 2198325-6
SCALE 5:1



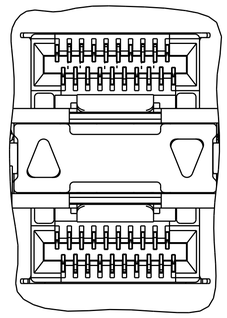
INNER LIGHT PIPES
2198325-3, 2198325-7
SCALE 5:1



OUTER LIGHT PIPES
2198325-4, 2198325-8
SCALE 5:1



CENTER/REVERSED OUTER LIGHT PIPES
1-2198325-7, 1-2198325-9
SCALE 5:1



REVERSED OUTER LIGHT PIPES
1-2198325-8, 2-2198325-0
SCALE 5:1

31	EMI SPRINGS	CENTER/REVERSE OUTER	3-2198325-2
31	EMI SPRINGS	CENTER/REVERSE OUTER	3-2198325-1
31	EMI SPRINGS	NONE	3-2198325-0
31	EMI SPRINGS	REVERSED OUTER	2-2198325-0
		CENTER/REVERSED OUTER	1-2198325-9
33.75	EMI GASKET	REVERSED OUTER	1-2198325-8
		CENTER/REVERSED OUTER	1-2198325-7
31	EMI SPRINGS	OUTER	2198325-8
		INNER	2198325-7
		INNER/OUTER	2198325-6
		NONE	2198325-5
33.75	EMI GASKET	OUTER	2198325-4
		INNER	2198325-3
		INNER/OUTER	2198325-2
		NONE	2198325-1
(E)	CAGE TYPE	LIGHT PIPE CONFIGURATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL SEE NOTES
FINISH SEE NOTES

DWN M.E. COWHER 06OCT2011
CHK M.D. MORRISON 06OCT2011
APVD M.D. MORRISON 07OCT2011
PRODUCT SPEC 108-2481
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198325	-

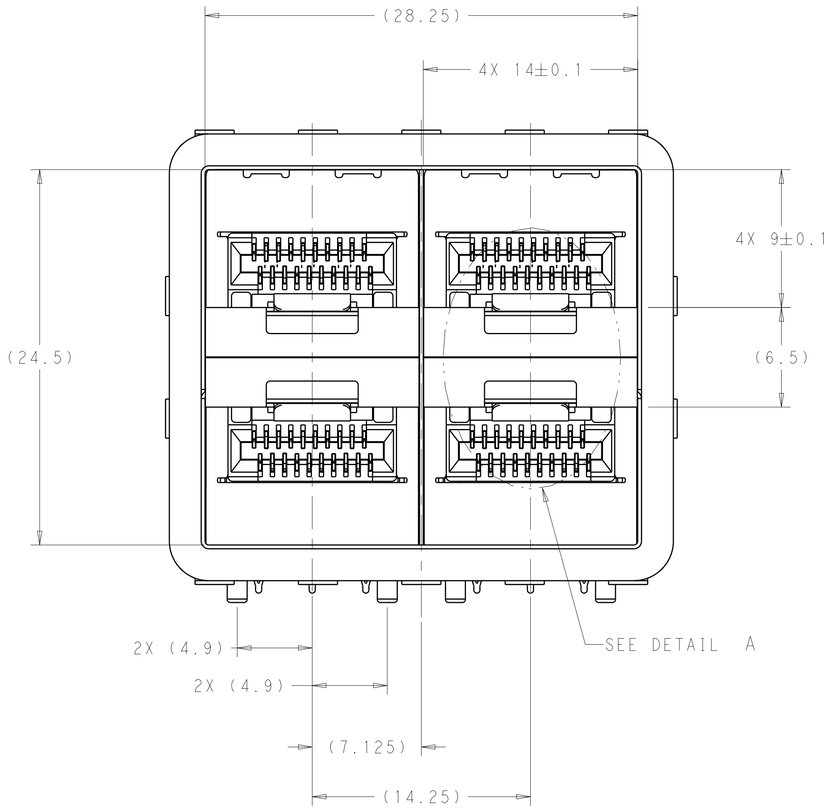
Customer Drawing | SCALE 4:1 | SHEET 1 OF 6 | REV B1

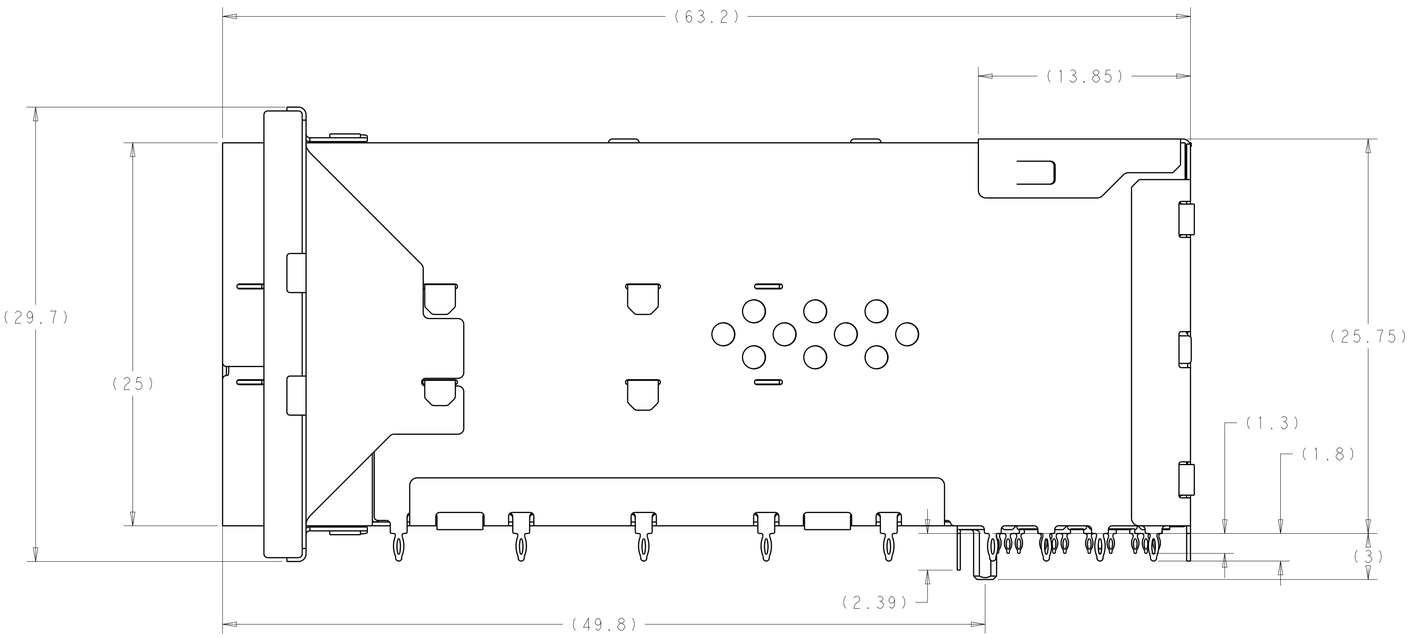
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

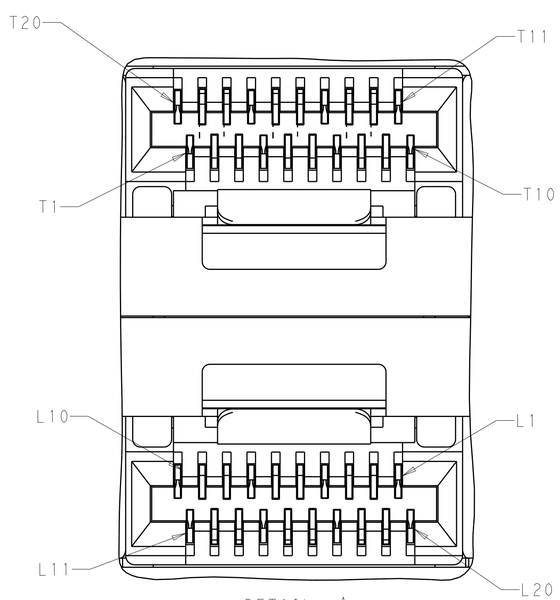
LOC	DIST
GP	00

REVISIONS

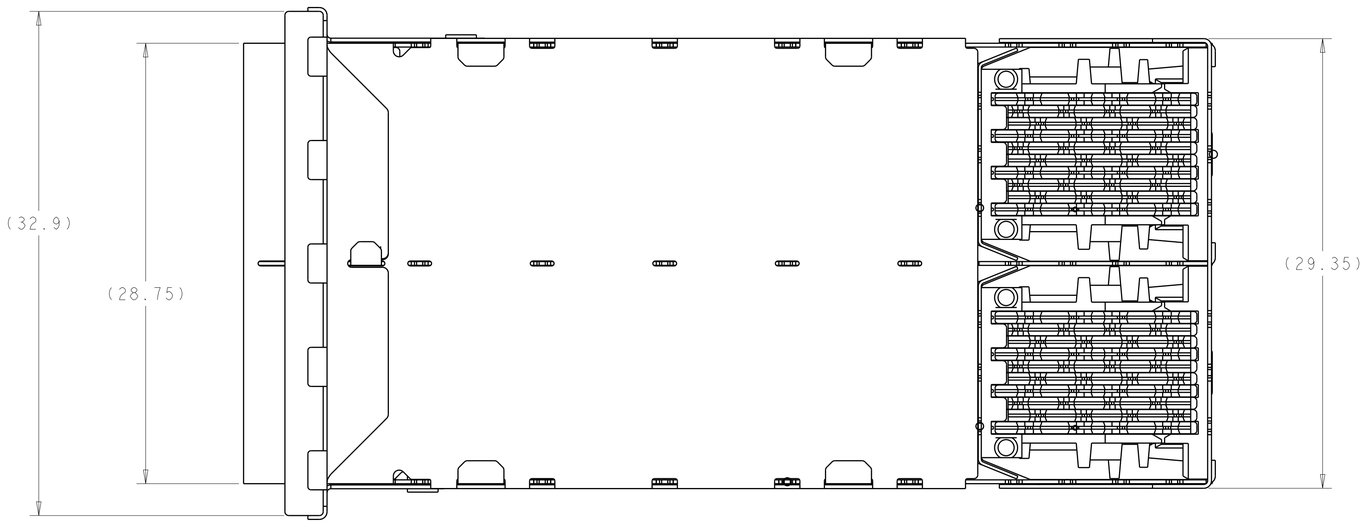
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-







DETAIL A
2 PLACES
SCALE 10:1



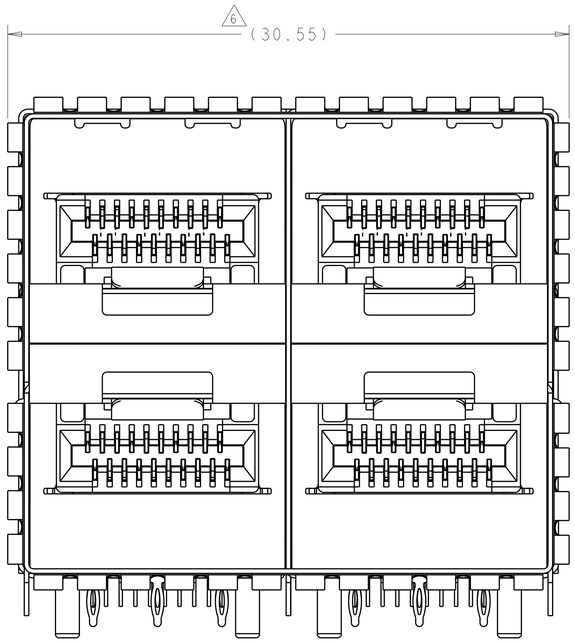
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. COWHER 06OCT2011	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±-	CHK M.D. MORRISON 06OCT2011	NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, zSFP+ -
		APVD M.D. MORRISON 07OCT2011	
		PRODUCT SPEC 108-2481	
		APPLICATION SPEC 114-13319	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-2198325 / RESTRICTED TO -
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	
		Customer Drawing	SCALE 5:1 / SHEET 2 OF 6 / REV B1

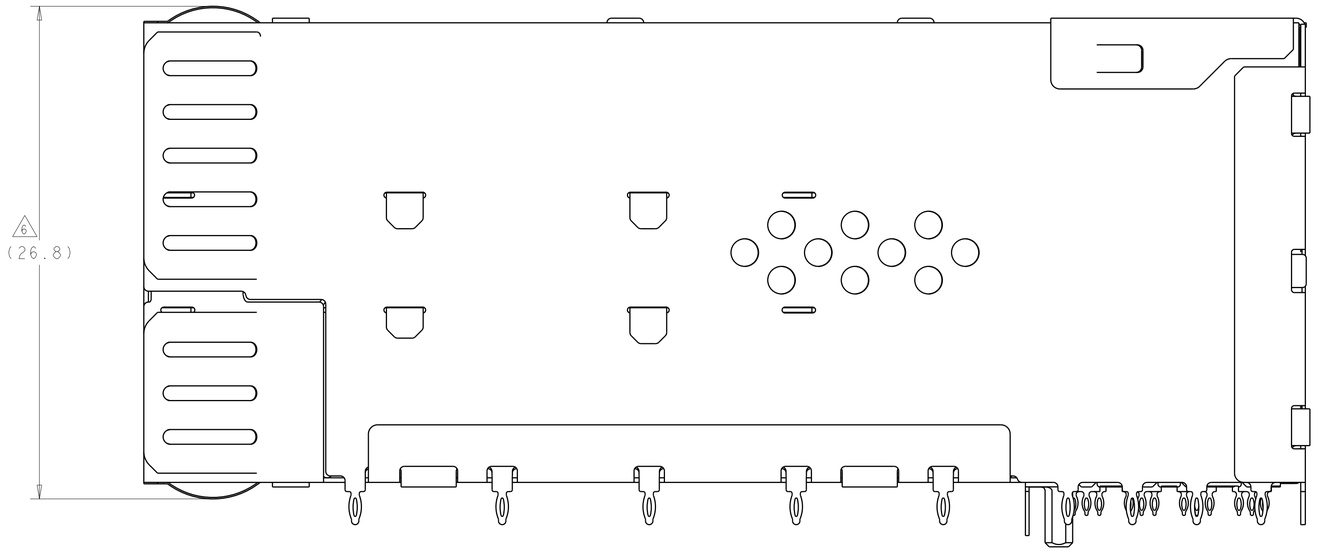
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

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





2198325-5 THRU 2198325-8, 1-2198325-9, 2-2198325-0
EMI SPRINGS ONLY
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±-
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL SEE NOTES

FINISH SEE NOTES

DWN M.E. COWHER 06OCT2011
CHK M.D. MORRISON 06OCT2011
APVD M.D. MORRISON 07OCT2011

PRODUCT SPEC 108-2481
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198325	-

Customer Drawing

SCALE 4:1 SHEET 3 OF 6 REV B1

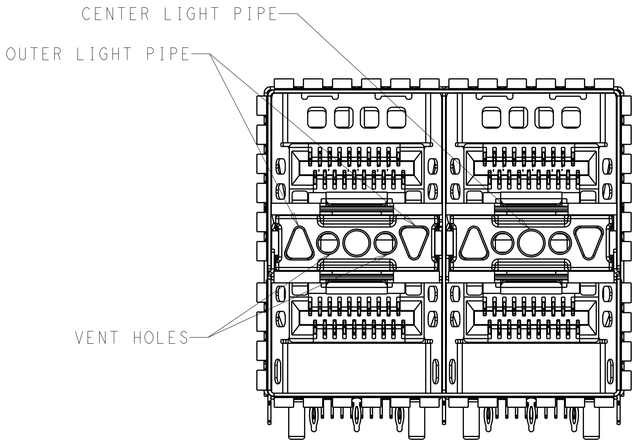
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

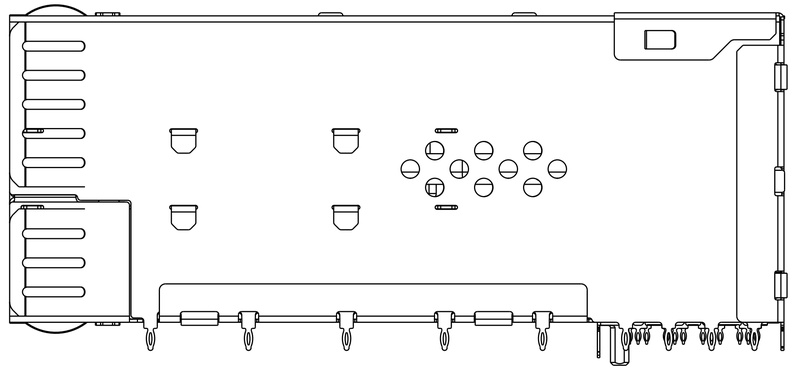
REVISIONS

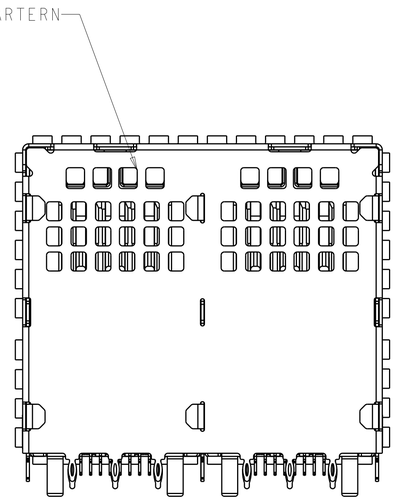
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

3-2198325-2 AIR FLOW ENHANCE VERSION
UNMARKED DIMENSION SAME AS 2198325-5



SCALE 4:1





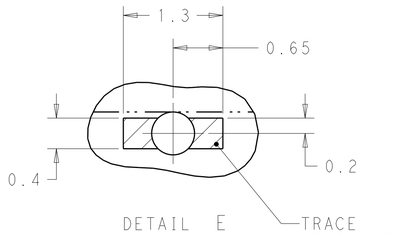
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. COWHER 06OCT2011	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±-	CHK M.D. MORRISON 06OCT2011	NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, zSFP+ -
		APVD M.D. MORRISON 07OCT2011	
		PRODUCT SPEC 108-2481	
		APPLICATION SPEC 114-13319	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-2198325 · RESTRICTED TO -
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	Customer Drawing · SCALE 4:1 · SHEET 4 OF 6 · REV B1

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

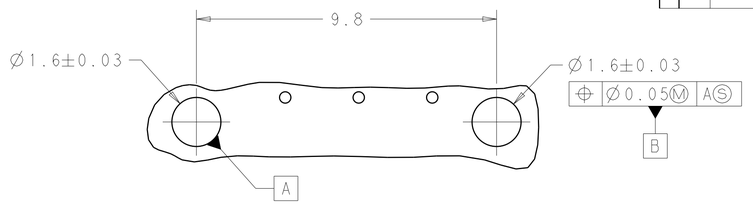
LOC	DIST
GP	00

REVISIONS

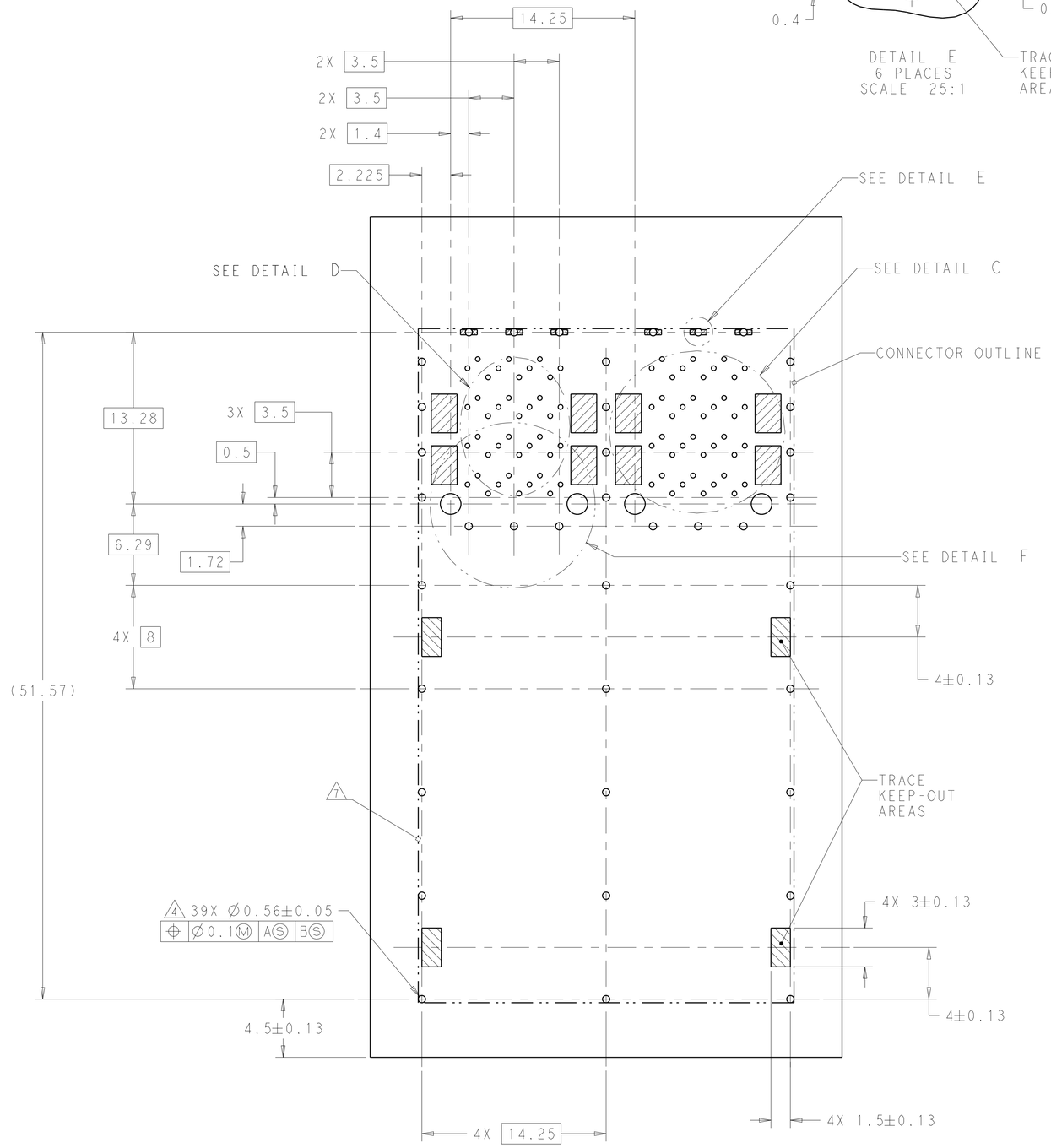
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



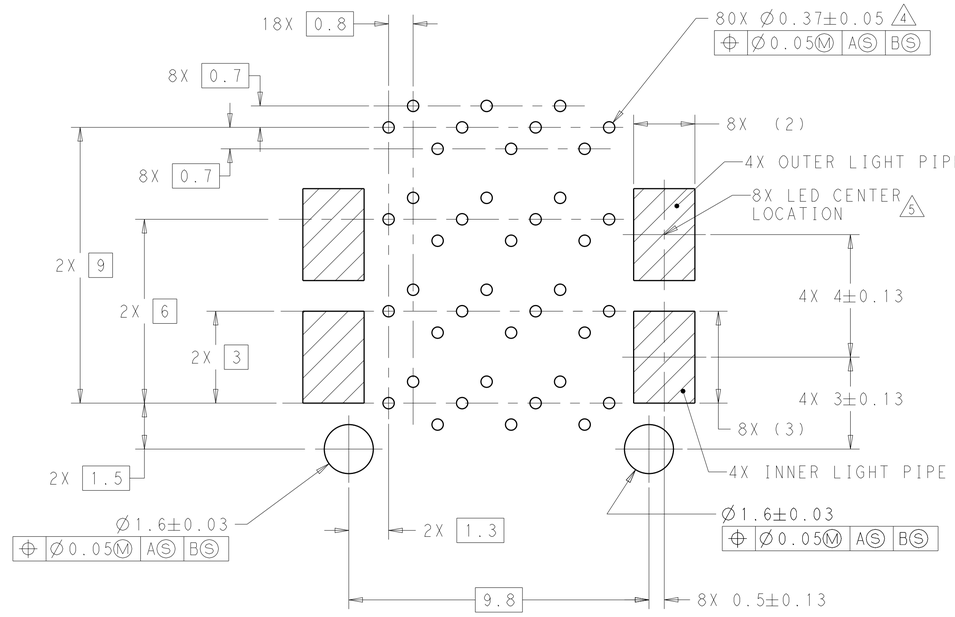
DETAIL E
6 PLACES
SCALE 25:1



DETAIL F
SCALE 10:1



RECOMMENDED PCB LAYOUT
SCALE 5:1



DETAIL C
RECOMMENDED PIN AND LIGHT PIPE LAYOUT
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±-
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL SEE NOTES
FINISH SEE NOTES

DWN M.E. COWHER 06OCT2011
CHK M.D. MORRISON 06OCT2011
APVD M.D. MORRISON 07OCT2011
PRODUCT SPEC 108-2481
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198325	-

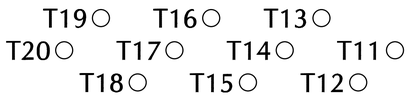
Customer Drawing | SCALE 4:1 | SHEET 5 OF 6 | REV B1

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

LOC	DIST
GP	00

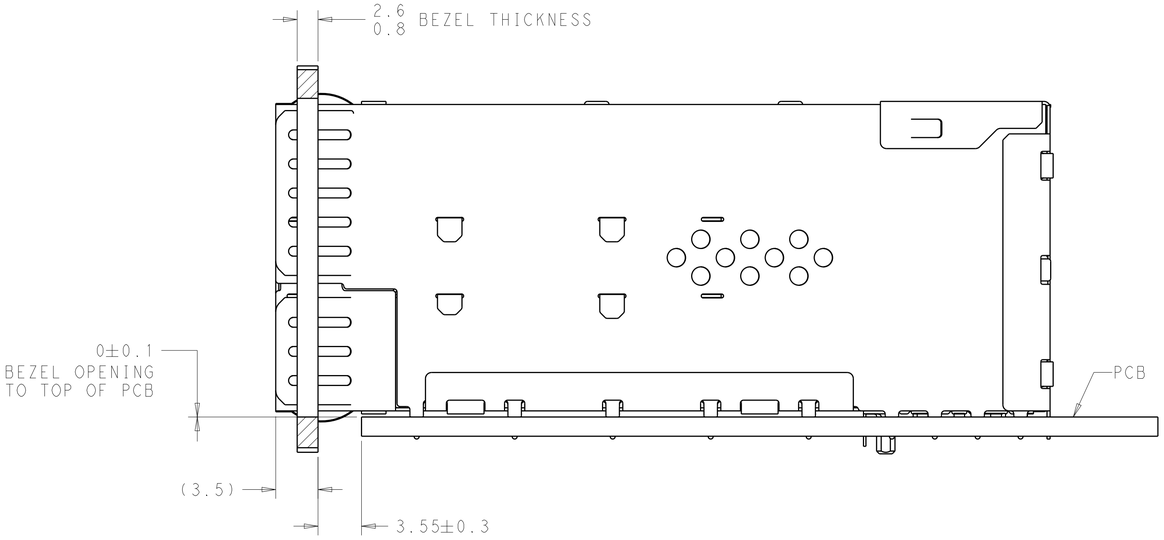
REVISIONS

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

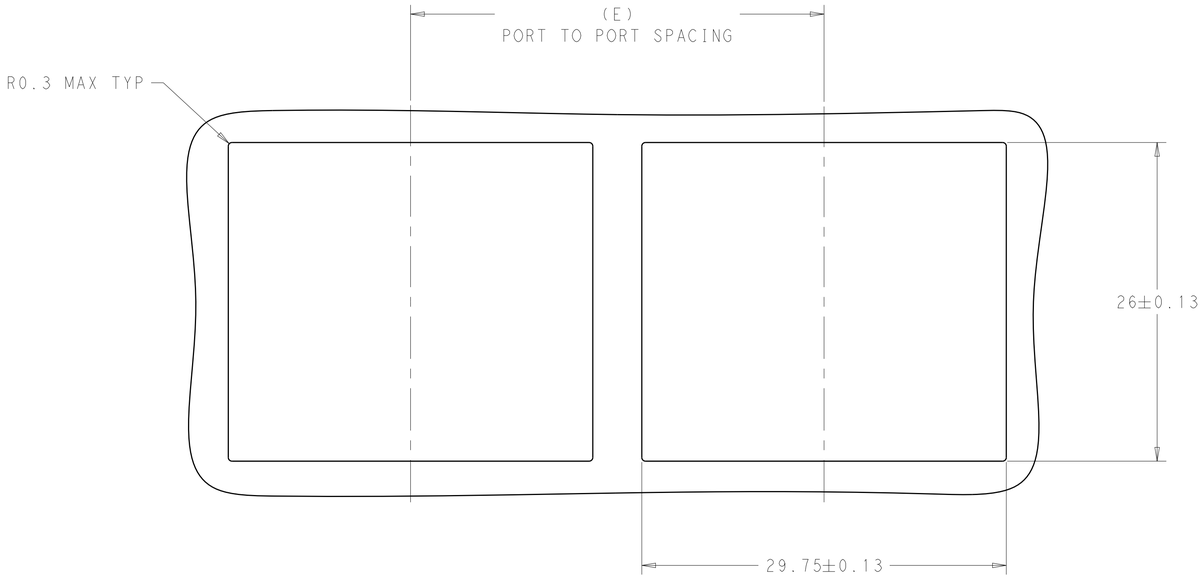


PIN MAP LEGEND	
PIN NUMBER	FUNCTION
L1/T1	VEET
L2/T2	TX-FAULT
L3/T3	TX-DISABLE
L4/T4	SDA
L5/T5	SCL
L6/T6	MOD_ABS
L7/T7	RSO
L8/T8	RX_LOS
L9/T9	RS1
L10/T10	VEER
L11/T11	VEER
L12/T12	RD-
L13/T13	RD+
L14/T14	VEER
L15/T15	VCCR
L16/T16	VCCT
L17/T17	VEET
L18/T18	TD+
L19/T19	TD-
L20/T20	VEET

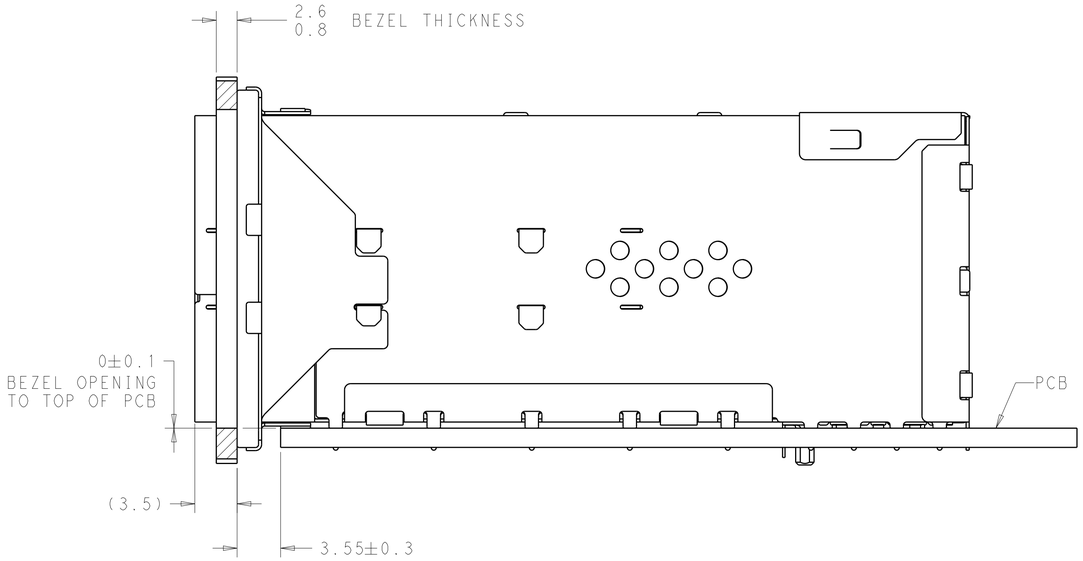
DETAIL D
PIN MAP
2 PLACES
SCALE 15:1



RECOMMENDED BEZEL LOCATION WITH EMI SPRINGS
SCALE 4:1



RECOMMENDED BEZEL CUT-OUT DETAIL
SCALE 4:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±-
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL SEE NOTES
FINISH SEE NOTES

DWN M.E. COWHER 06OCT2011
CHK M.D. MORRISON 06OCT2011
APVD M.D. MORRISON 07OCT2011

PRODUCT SPEC 108-2481
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198325	-

Customer Drawing | SCALE 4:1 | SHEET 6 OF 6 | REV B1