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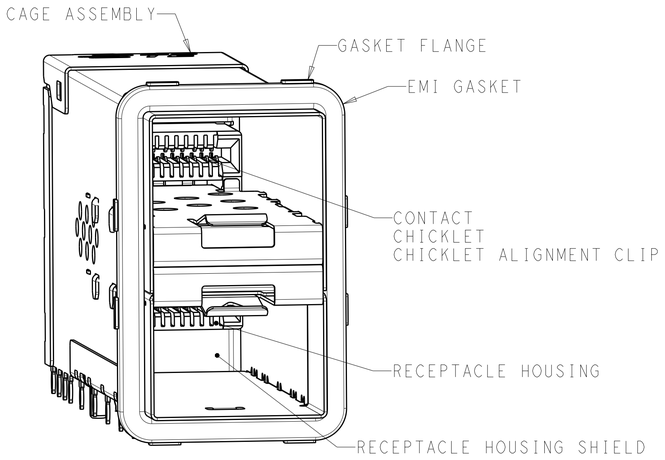
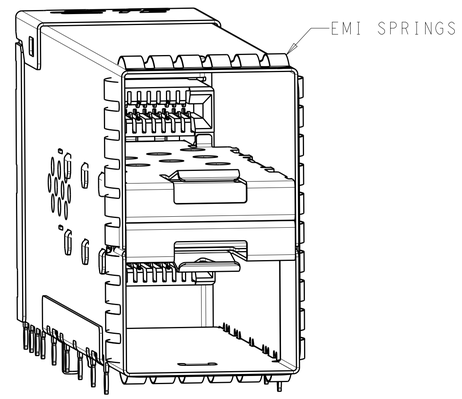
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO-14-008758	13JUN2014	CJV	PAR



2198318-1
SCALE 4:1



2198318-5
SCALE 4:1

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

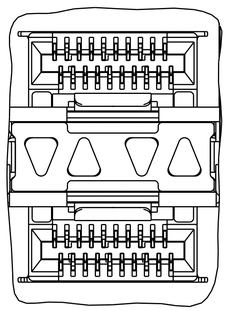
3. PCB MINIMUM THICKNESS = 1.5mm

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

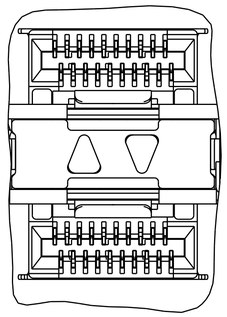
△5 LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW PROFILE LED PACKAGE WITH A HEIGHT OF 0.8mm

△6 DIMENSIONS APPLY FOR EMI SPRINGS ONLY

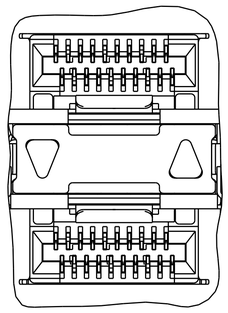
△7 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN



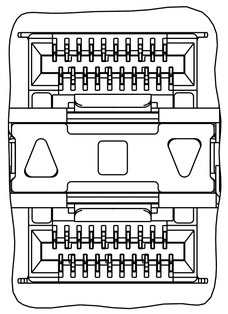
INNER/OUTER LIGHT PIPES
2198318-2, 2198318-6
SCALE 5:1



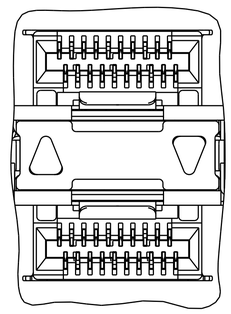
INNER LIGHT PIPES
2198318-3, 2198318-7
SCALE 5:1



OUTER LIGHT PIPES
2198318-4, 2198318-8
SCALE 5:1



CENTER/REVERSED OUTER LIGHT PIPES
1-2198318-7, 1-2198318-9
SCALE 5:1



REVERSED OUTER LIGHT PIPES
1-2198318-8, 2-2198318-0
SCALE 5:1

16.75	EMI SPRINGS	REVERSED OUTER	2-2198318-0
		CENTER/REVERSED OUTER	1-2198318-9
19.5	EMI GASKET	REVERSED OUTER	1-2198318-8
		CENTER/REVERSED OUTER	1-2198318-7
16.75	EMI SPRINGS	OUTER	2198318-8
		INNER	2198318-7
		INNER/OUTER	2198318-6
		NONE	2198318-5
19.5	EMI GASKET	OUTER	2198318-4
		INNER	2198318-3
		INNER/OUTER	2198318-2
		NONE	2198318-1
(E)	CAGE TYPE	LIGHT PIPE CONFIGURATION	PART NUMBER

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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 17OCT2011
CHK M.D. MORRISON 18OCT2011
APVD M.D. MORRISON 18OCT2011
PRODUCT SPEC 108-2981
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X1, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198318	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 4 | REV A

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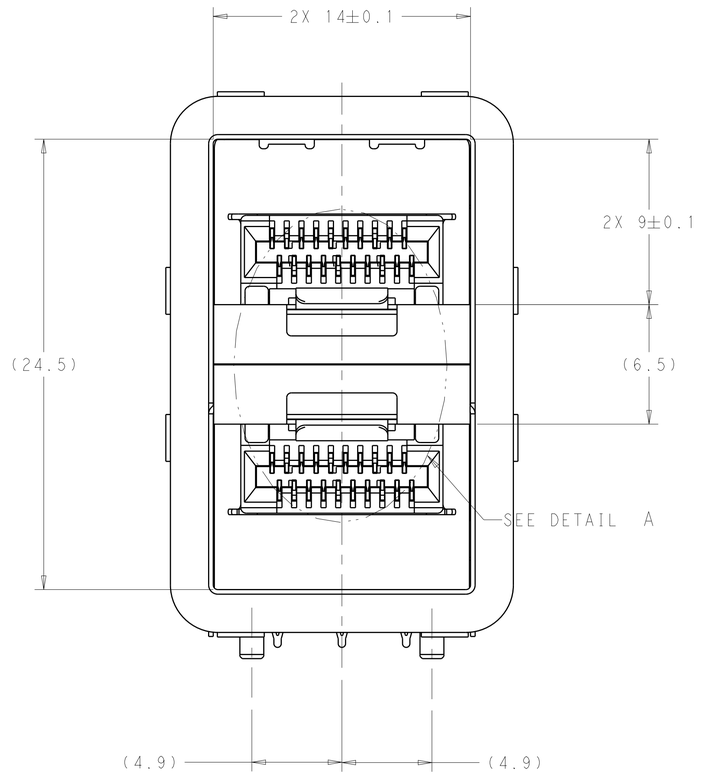
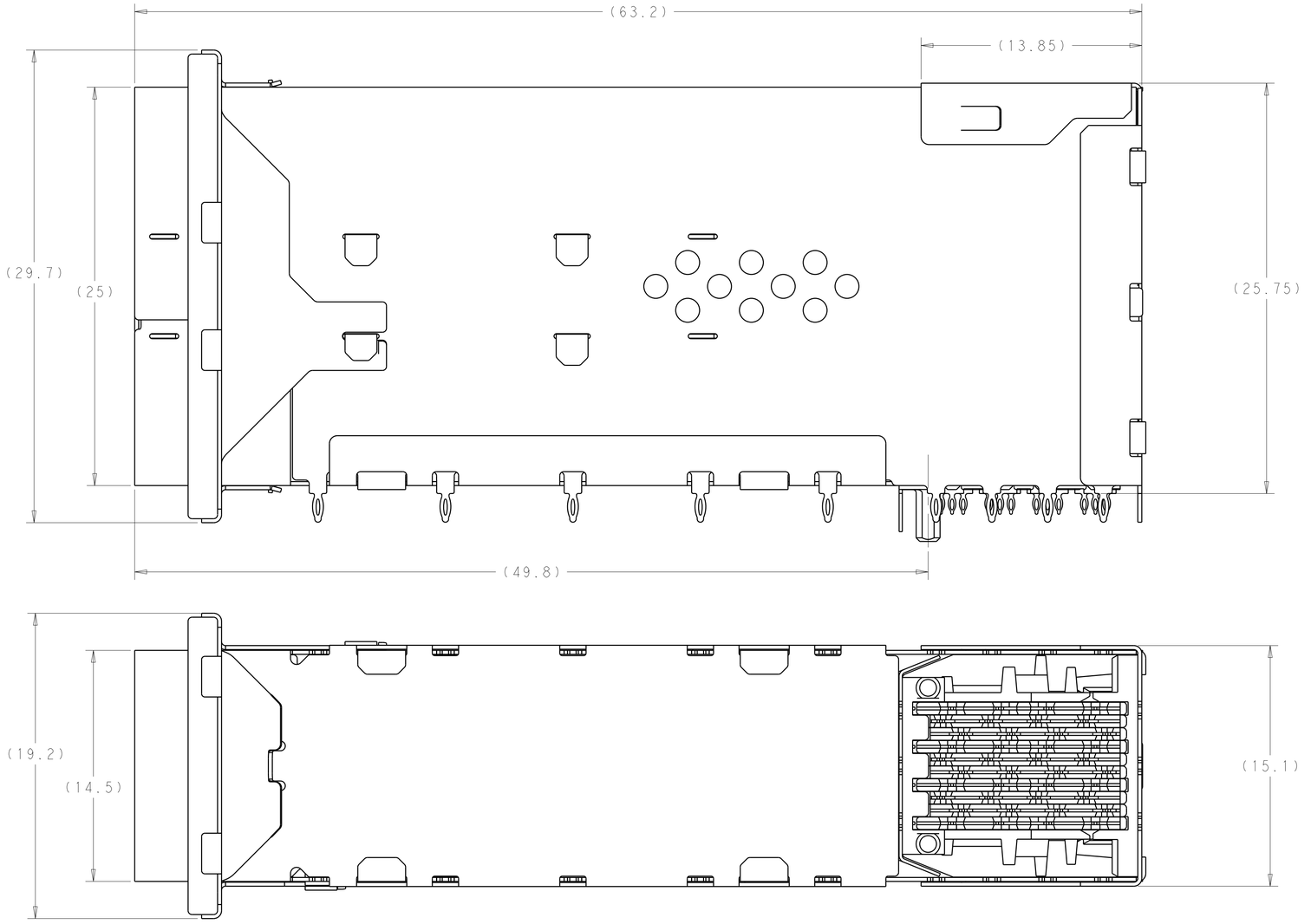
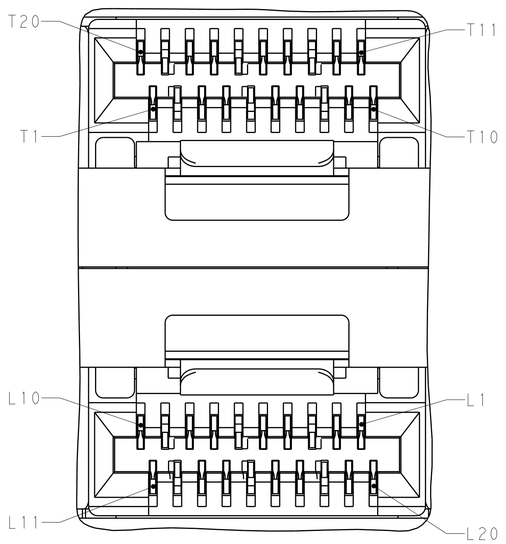
REVISIONS

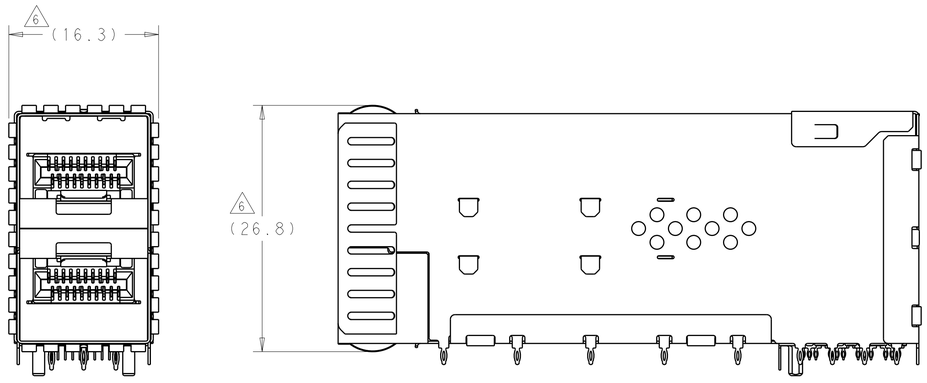
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-







DETAIL A
2 PLACES
SCALE 10:1



2198318-5 THRU 2198318-8, 1-2198318-9, 2-2198318-0
EMI SPRINGS ONLY
SCALE 3:1

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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 17OCT2011
CHK M.D. MORRISON 18OCT2011
APVD M.D. MORRISON 18OCT2011
PRODUCT SPEC 108-2981
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X1, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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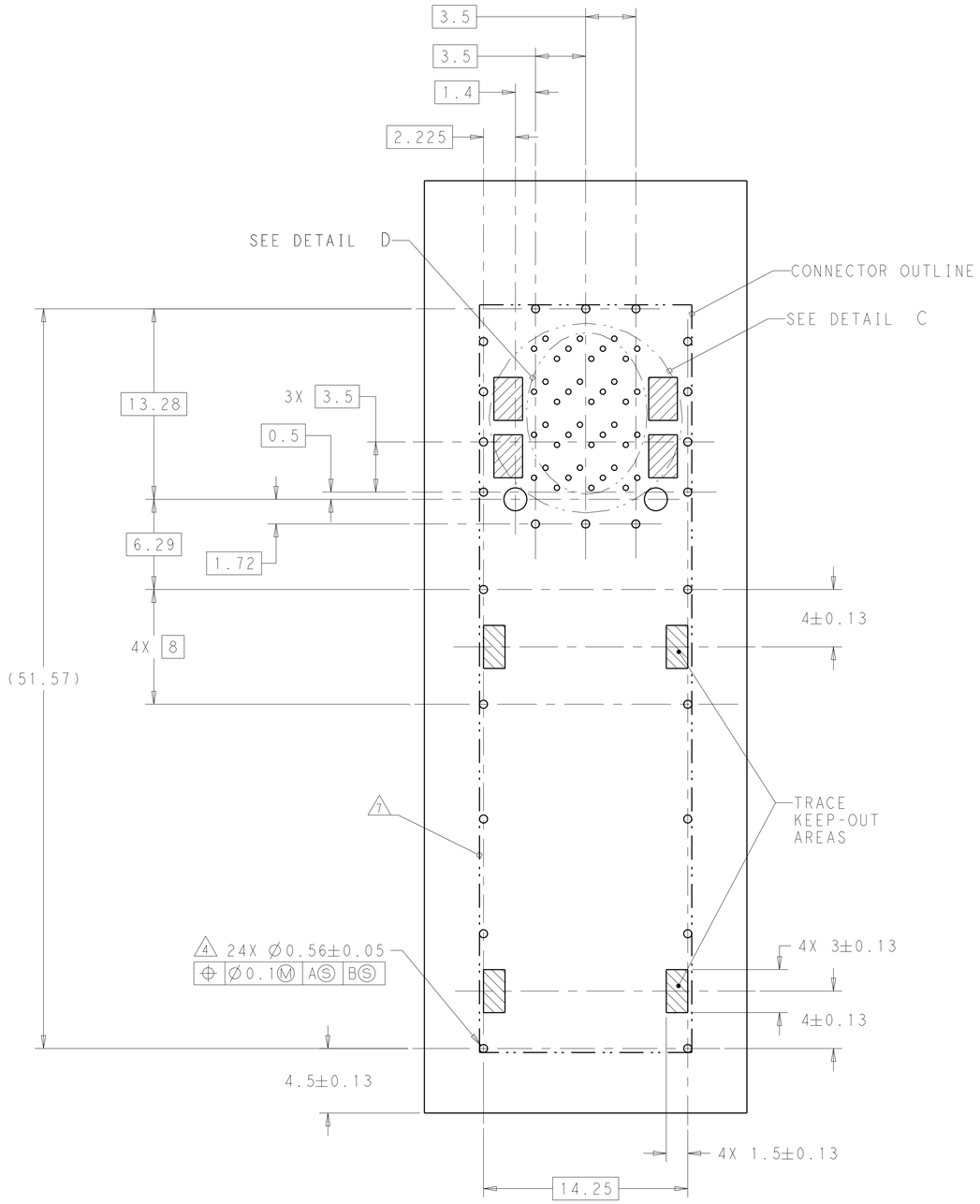
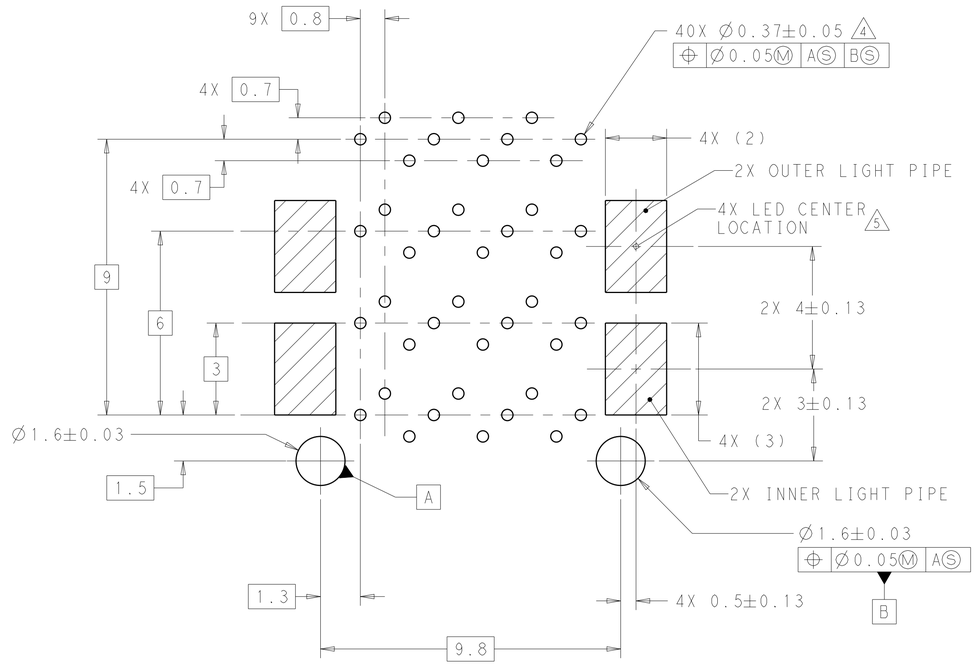


RECOMMENDED PCB LAYOUT
SCALE 5:1



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

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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 17OCT2011
CHK M.D. MORRISON 18OCT2011
APVD M.D. MORRISON 18OCT2011

PRODUCT SPEC 108-2981
APPLICATION SPEC 114-13319
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X1, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198318	-

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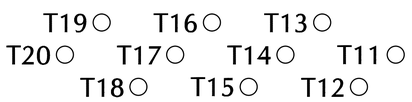
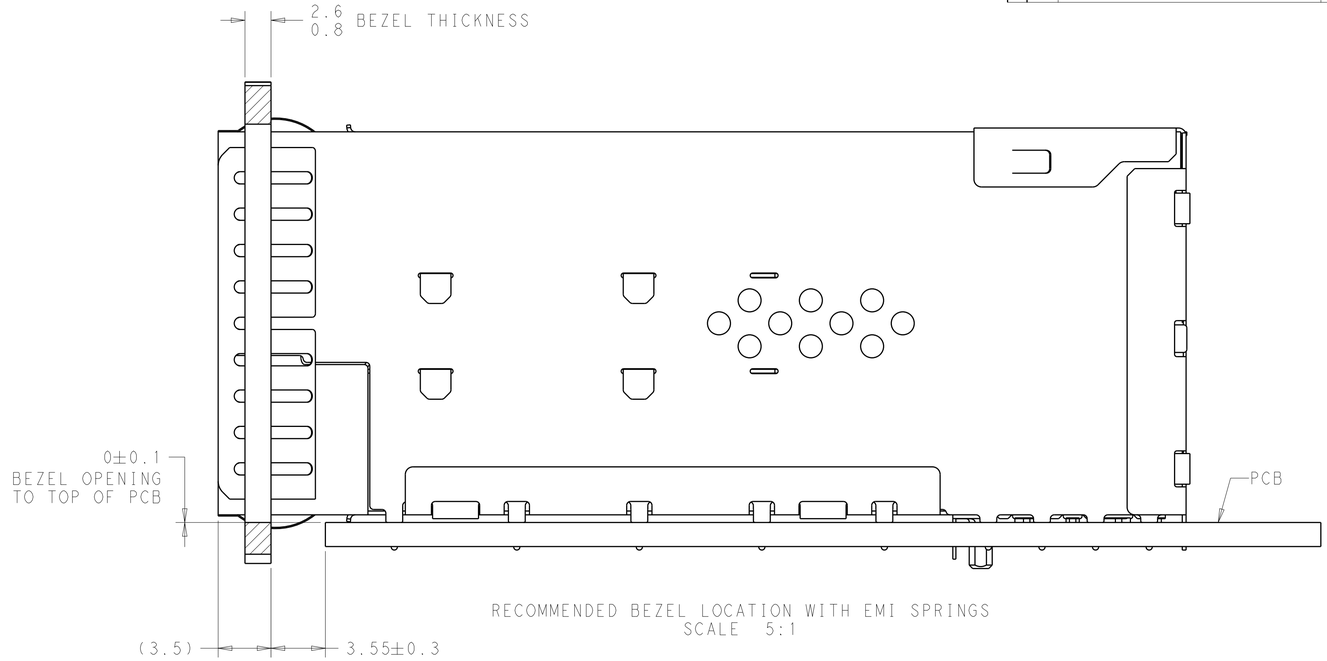
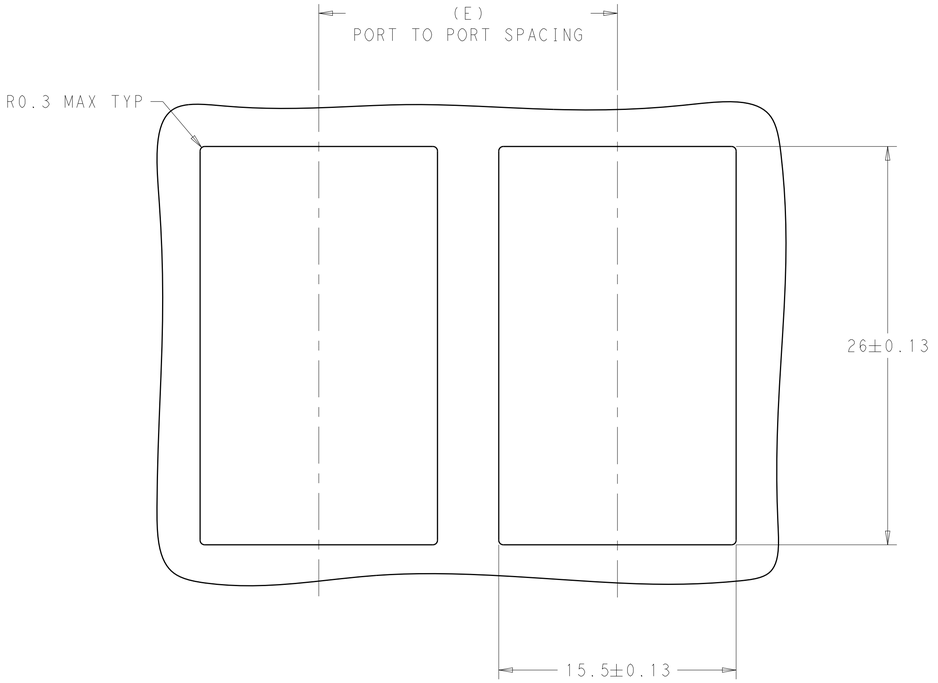


DETAIL D
PIN MAP
SCALE 15:1

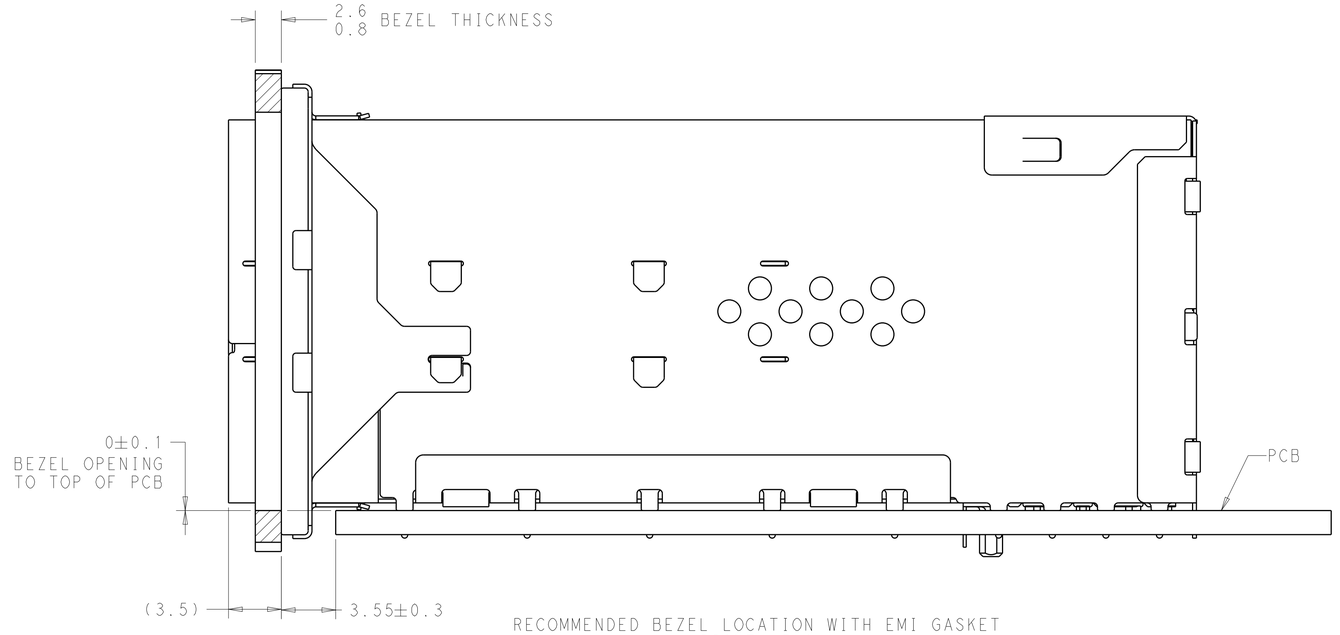
PIN MAP LEGEND	
PIN NUMBER	FUNCTION
L1/T1	VEET
L2/T2	TX-FAULT
L3/T3	TX-DISABLE
L4/T4	SDA
L5/T5	SCL
L6/T6	MOD_ABS
L7/T7	RSO
L8/T8	RX_LOS
L9/T9	RS1
L10/T10	VEER
L11/T11	VEER
L12/T12	RD-
L13/T13	RD+
L14/T14	VEER
L15/T15	VCCR
L16/T16	VCCT
L17/T17	VEET
L18/T18	TD+
L19/T19	TD-
L20/T20	VEET



RECOMMENDED BEZEL LOCATION WITH EMI SPRINGS
SCALE 5:1



RECOMMENDED BEZEL CUT-OUT DETAIL
SCALE 5:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET
SCALE 5:1

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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	17OCT2011
CHK M.D. MORRISON	18OCT2011
APVD M.D. MORRISON	18OCT2011
PRODUCT SPEC	108-2981
APPLICATION SPEC	114-13319
WEIGHT	-

TE Connectivity

NAME RECEPTACLE ASSEMBLY, 2X1, STACKED, zSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198318	-

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