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LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECR-18-002882	27FEB2018	IT	SH

2198230-1,2,3,4
FINISHED ASSEMBLY WITH
PIN TYPE HEAT SINK

2198230-5,6,7,8
FINISHED ASSEMBLY WITH
FIN TYPE HEAT SINK

1-2198230-4
FINISHED ASSEMBLY WITH
PIN TYPE HEAT SINK, WITH BELLY GASKET

1. MATERIAL:
   CAGE ASSEMBLY:
   0.25mm THICK NICKEL SILVER ALLOY
   EMI SPRINGS: COPPER ALLOY
   HEAT SINK: ALUMINUM
   HEAT SINK CLIP: STAINLESS STEEL.
2. FINISH:
   HEAT SINK: ELECTROLESS NICKEL
   HEAT SINK CLIP: PASSIVATE.
   EMI SPRINGS: 0.8µm MIN MATTE TIN OVER
   0.8µm MIN NICKEL, NON-PLATED EDGES PERMISSIBLE.
3. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
5. PADS AND VIAS CHASSIS GROUND.
5. MATES WITH SFP MSA COMPLIANT RECIEVERS.
6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OR ASME Y14.5M-1994.
7. MINIMUM PC BOARD THICKNESS:
   SINGLE SIDED: 1.5mm
   DOUBLE SIDED: 2.25mm
8. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm.
9. REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
10. REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
11. CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.
12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.
14. WITH BELLY GASKET: RF ABSORBER

FIN TYPE	22.5	NETWORKING, TALL	2198230-8
FIN TYPE	18.1	NETWORKING, SHORT	2198230-7
FIN TYPE	15.5	SAN	2198230-6
FIN TYPE	13.2	PCI	2198230-5
PIN TYPE	22.5	NETWORKING, TALL	1-2198230-4
PIN TYPE	22.5	NETWORKING, TALL	2198230-4
PIN TYPE	18.1	NETWORKING, SHORT	2198230-3
PIN TYPE	15.5	SAN	2198230-2
PIN TYPE	13.2	PCI	2198230-1
HEAT SINK	A 13	DESCRIPTION	PART NUMBER

2198230-1
MOUNTED BELLY TO BELLY
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.13
1 PLC ±0.1
2 PLC ±0.08
3 PLC ±.05
4 PLC ±.05
ANGLES ±1

MATERIAL 1
FINISH 2

DWN C. VALENTINE 06OCT2011
CHK M. SCHMITT 06OCT2011
APVD M. SCHMITT 06OCT2011
PRODUCT SPEC 108-2364
APPLICATION SPEC 114-13120
WEIGHT -

TE Connectivity

NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198230	-

Customer Drawing SCALE 2:1 SHEET 1 OF 4 REV B

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REVISIONS

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

RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 4:1

2198230-1
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS

2198230-1
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.13
1 PLC ±0.1
2 PLC ±0.08
3 PLC ±.05
4 PLC ±.05
ANGLES ±1

MATERIAL
FINISH

DWN	C. VALENTINE	06OCT2011
CHK	M. SCHMITT	06OCT2011
APVD	M. SCHMITT	06OCT2011

PRODUCT SPEC: 108-2364
APPLICATION SPEC: 114-13120
WEIGHT: -

TE Connectivity

NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198230	-

Customer Drawing | SCALE 6:1 | SHEET 2 OF 4 | REV B

4805 (3/11)

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LOC	DIST
GP	00

REVISIONS

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

RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
SINGLE SIDED APPLICATIONS
SCALE 8:1 [7]

DETAIL F
SCALE 10:1

DETAIL G
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN 06OCT2011 C. VALENTINE	TE Connectivity	
DIMENSIONS: mm	CHK 06OCT2011 M. SCHMITT	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.13; 1 PLC ±0.1; 2 PLC ±0.08; 3 PLC ±.05; 4 PLC ±.05; ANGLES ±1	APVD 06OCT2011 M. SCHMITT	PRODUCT SPEC 108-2364	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-2198230 / RESTRICTED TO -
MATERIAL	APPLICATION SPEC 114-13120	WEIGHT -	
FINISH	Customer Drawing	SCALE 6:1	SHEET 3 OF 4 / REV B

4805 (3/11)

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REVISIONS

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

RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS
SCALE 8:1 7

DETAIL H
SCALE 10:1

DETAIL J
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.13
1 PLC ±0.1
2 PLC ±0.08
3 PLC ±0.05
4 PLC ±0.05
ANGLES ±1

MATERIAL
FINISH

DWN C. VALENTINE 06OCT2011
CHK M. SCHMITT 06OCT2011
APVD M. SCHMITT 06OCT2011

PRODUCT SPEC 108-2364
APPLICATION SPEC 114-13120
WEIGHT -

TE Connectivity

NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198230	-

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

4805 (3/11)