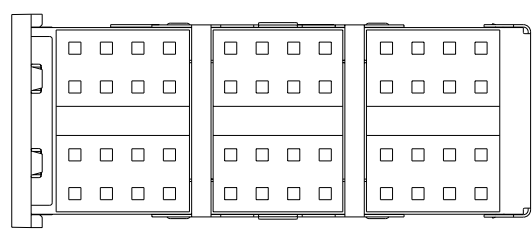
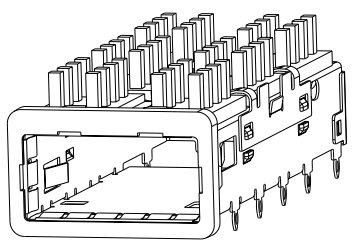
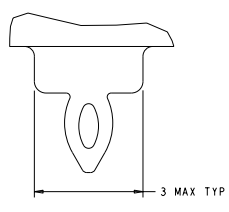
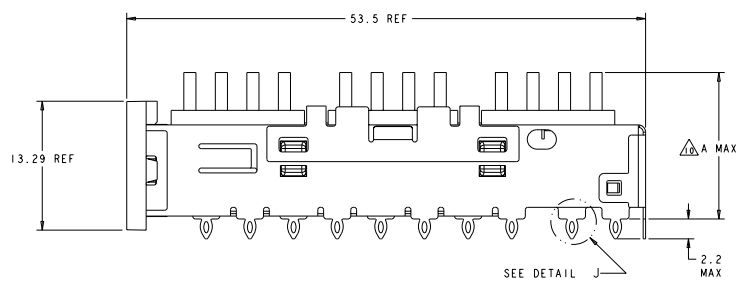
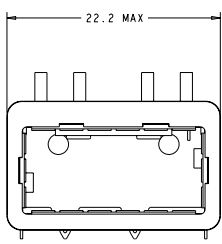


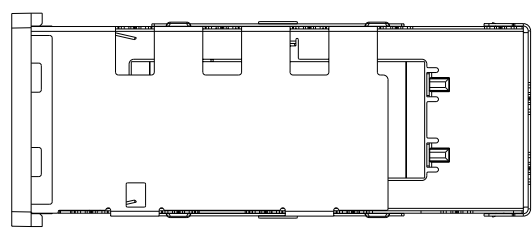
REV	DATE	DESCRIPTION	BY	CHK	APP
B	REV PER ECO-09-020400				



- ⚠ CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
- ⚠ HEAT SINK MATERIAL: ALUMINUM
- ⚠ HEAT SINK CLIP MATERIAL: STAINLESS STEEL
- ⚠ EMI SPRING MATERIAL: COPPER ALLOY
- ⚠ FRONT FLANGE MATERIAL: ZINC ALLOY
- ⚠ MINIMUM PITCH DIMENSION.
- 3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- ⚠ REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- ⚠ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ⚠ DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD.  
 SINGLE SIDED PC BOARD MINIMUM THICKNESS: 1.45  
 DOUBLE SIDED PC BOARD MINIMUM THICKNESS: 2.7.
- ⚠ HEAT SINK AND CLIP SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- ⚠ DATUM [-A-] IS TOP SURFACE OF HOST BOARD.
- ⚠ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.
- ⚠ DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE.
- ⚠ DATE CODE (YYWW) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
- ⚠ EMI SPRING FINISH: 2µm MIN TIN  
 FRONT FLANGE FINISH: 3µm MIN TIN OVER 1.27µm MIN NICKEL OVER 5.08µm MIN COPPER.  
 HEAT SINK FINISH: 0.076µm MIN NICKEL.
- 13. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.



DETAIL J  
 SCALE 20:1



DESCRIPTION	PART NUMBER
23.0 NETWORKING HEAT SINK	1888968-3
16.0 SAN HEAT SINK (SHOWN)	1888968-2
13.7 PCI HEAT SINK	1888968-1

TWIN ELECTRONICS CORPORATION		Twin Electronics	
114-13218		Harrisburg, PA 17105-3600	
REV	DATE	REV	DATE
00		00	
DESCRIPTION	CAGE ASSEMBLY, BEHIND BEZEL, OSFP, WITH HEAT SINK	PART NUMBER	1888968-1
DATE CODE	00779	DATE CODE	00779
CUSTOMER DRAWING		CUSTOMER DRAWING	







