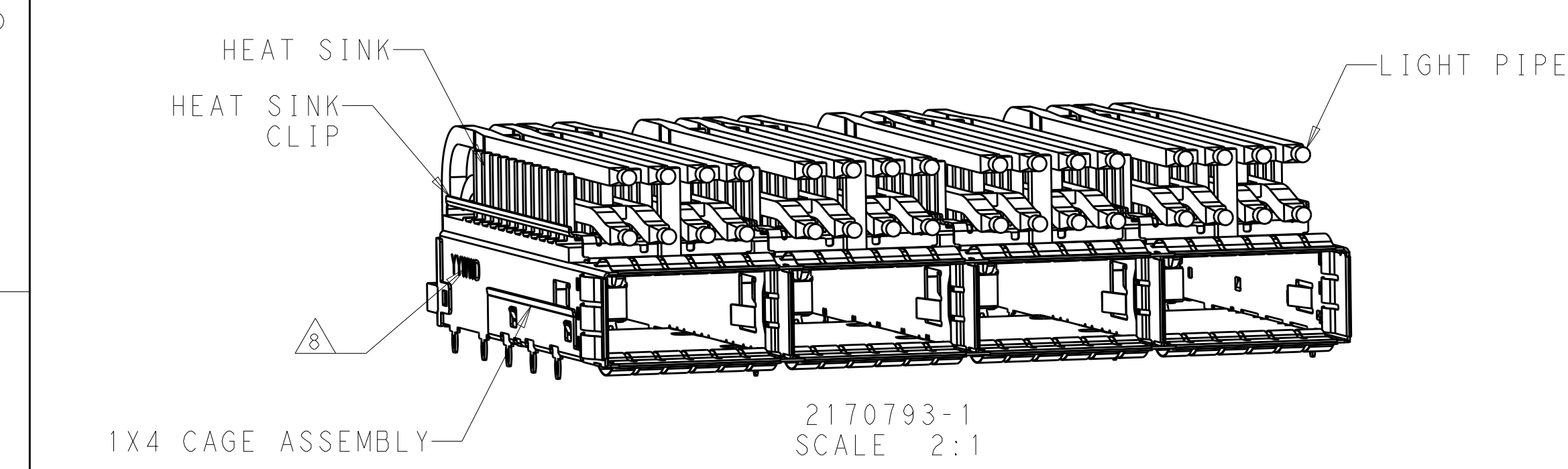
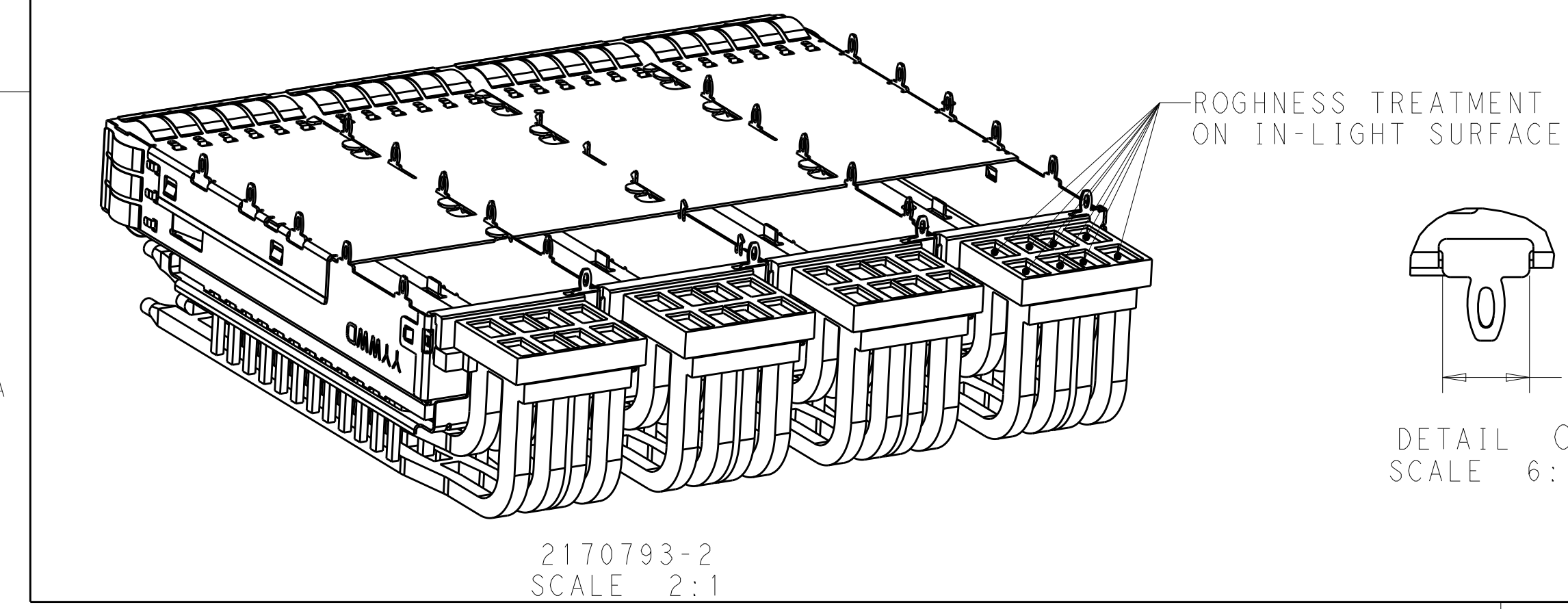
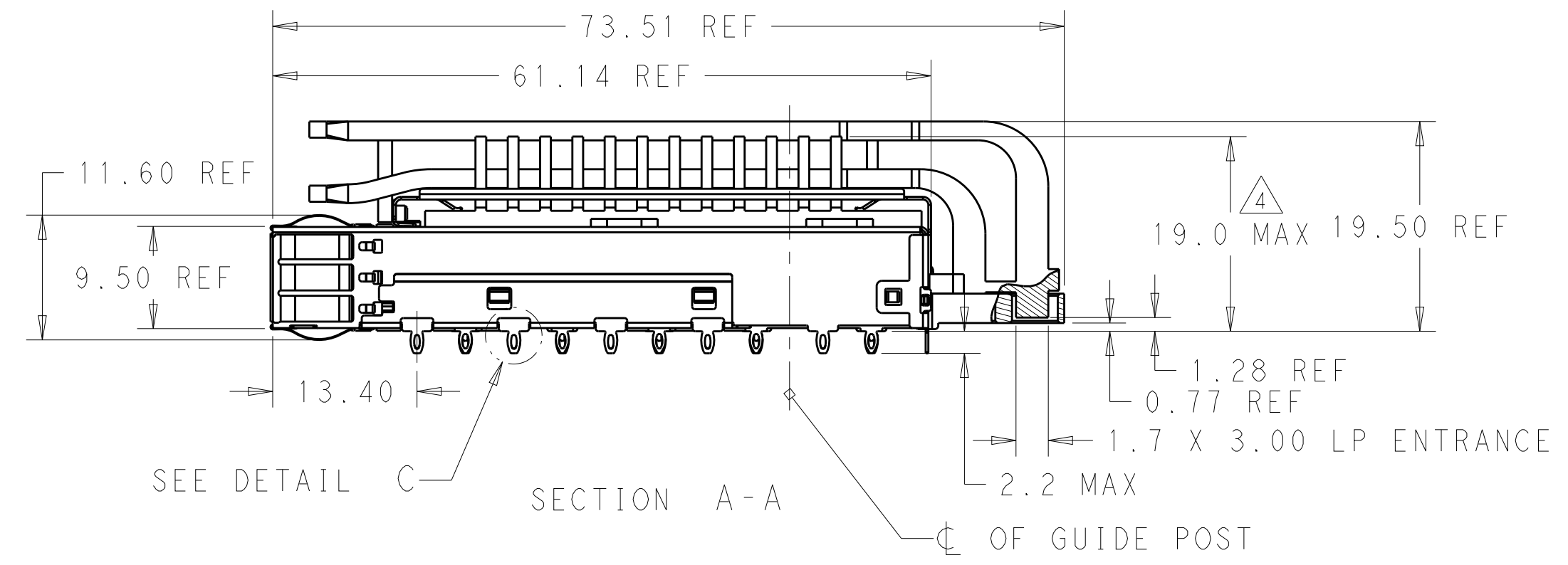
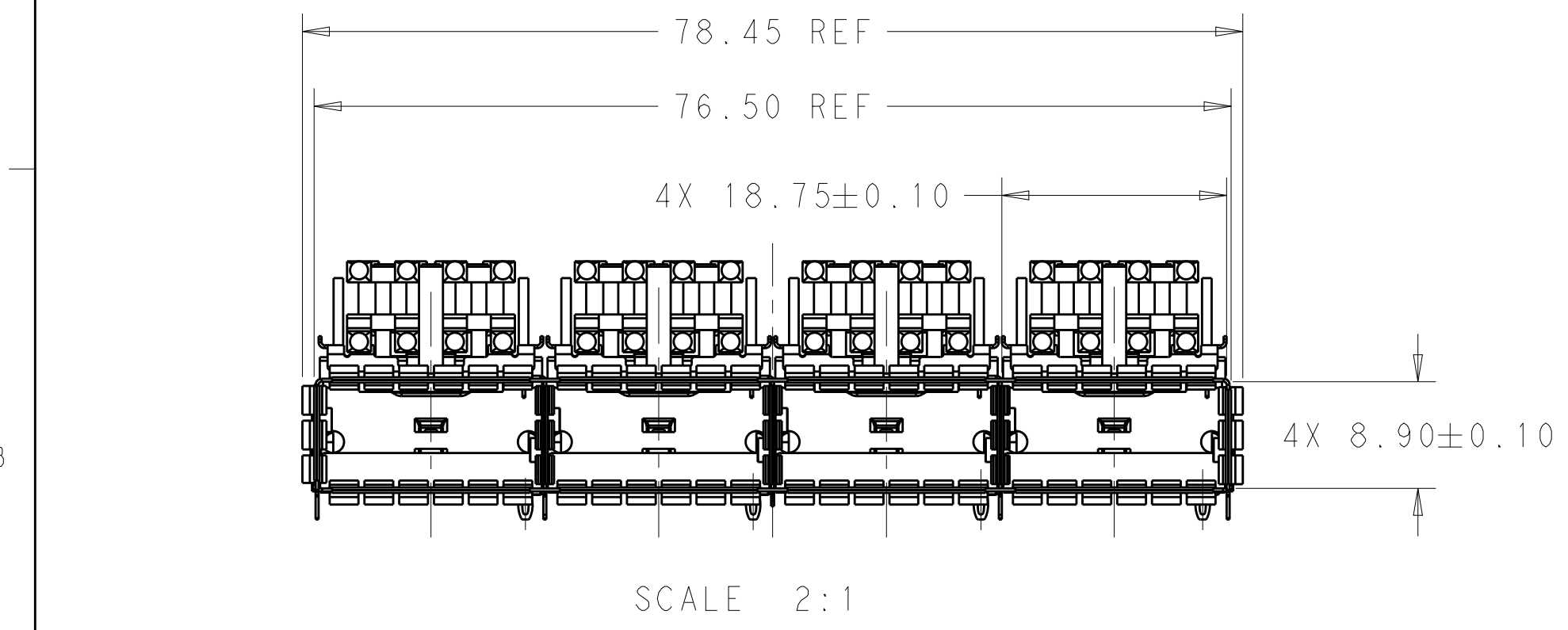


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		INITIAL RELEASE	11SEP2017	RG	SH
B		REVISED PER ECO-18-009305	18MAY2018	JY	SH
C		REVISED PER ECO-18-013547	23AUG2018	JY	SH



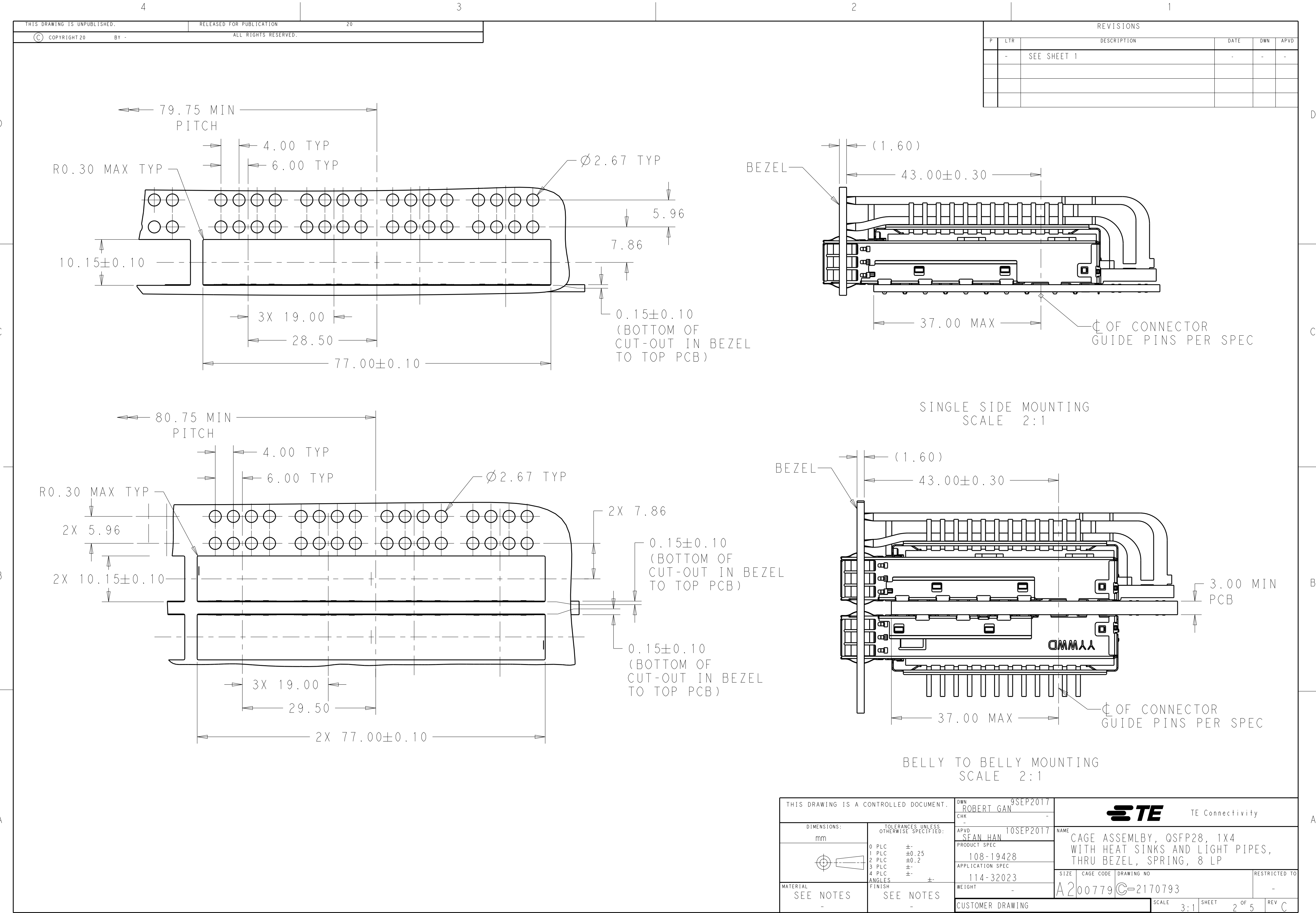
1. COMPONENTS
CAGE ASSEMBLY: NICKEL-SILVER ALLOY
HEAT SINK: ALUMINUM/BLACK ANODIZE
HEAT SINK CLIP: STAINLESS STEEL
EMI SPRING: COPPER ALLOY/NICKEL PLATE
LIGHT PIPE: CLEAR POLYCARBONATE WITH UL 94 V_0
ORGANIZER: POLYSTER

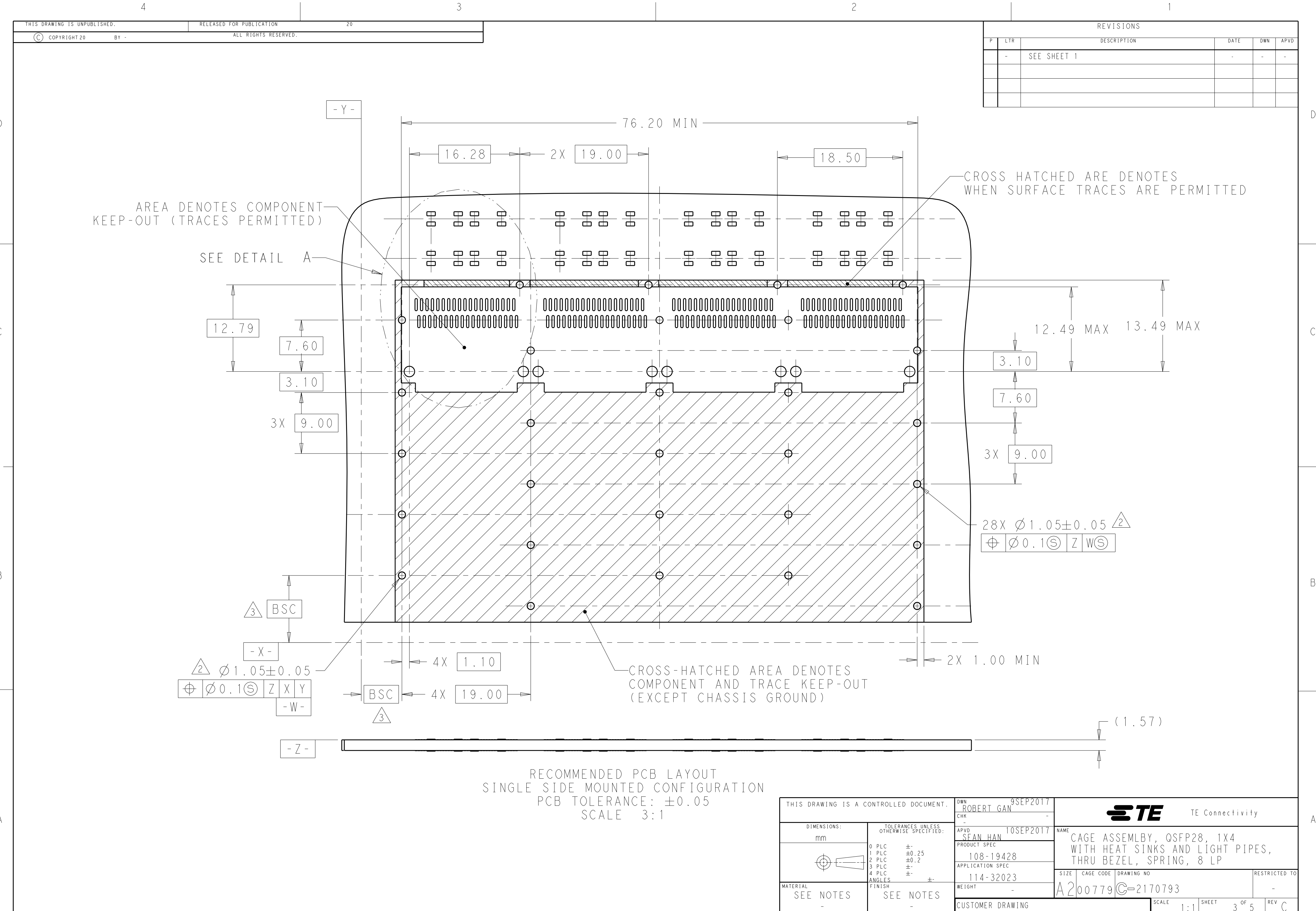
2. REFERENCE APPLICATION SPECIFICATION 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS
3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER
4. DIMENSION APPLIES WITH MODULE INSERTED IN CAGE
5. HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES ARE SHIPPED ASSEMBLED ON CAGE
6. MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN
DOUBLE SIDED: 2.20 MIN
7. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
8. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.



ROUGHNESS TREATMENT	2170793-2
STANDARD	2170793-1
LIGHT PIPE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN	9SEP2017	TE Connectivity		
		CHK SEAN HAN	10SEP2017			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CAGE ASSEMBLY, QSFP28, 1X4 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, SPRING, 8 LP		
mm		0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH		SIZE A200779		
MATERIAL SEE NOTES		TOLERANCES UNLESS OTHERWISE SPECIFIED: SEE NOTES		DRAWING NO C-2170793		
				RESTRICTED TO -		
				SCALE 3:1 SHEET 1 OF 5 REV C		
				CUSTOMER DRAWING		





AREA DENOTES COMPONENT
KEEP-OUT (TRACES PERMITTED)

SEE DETAIL A

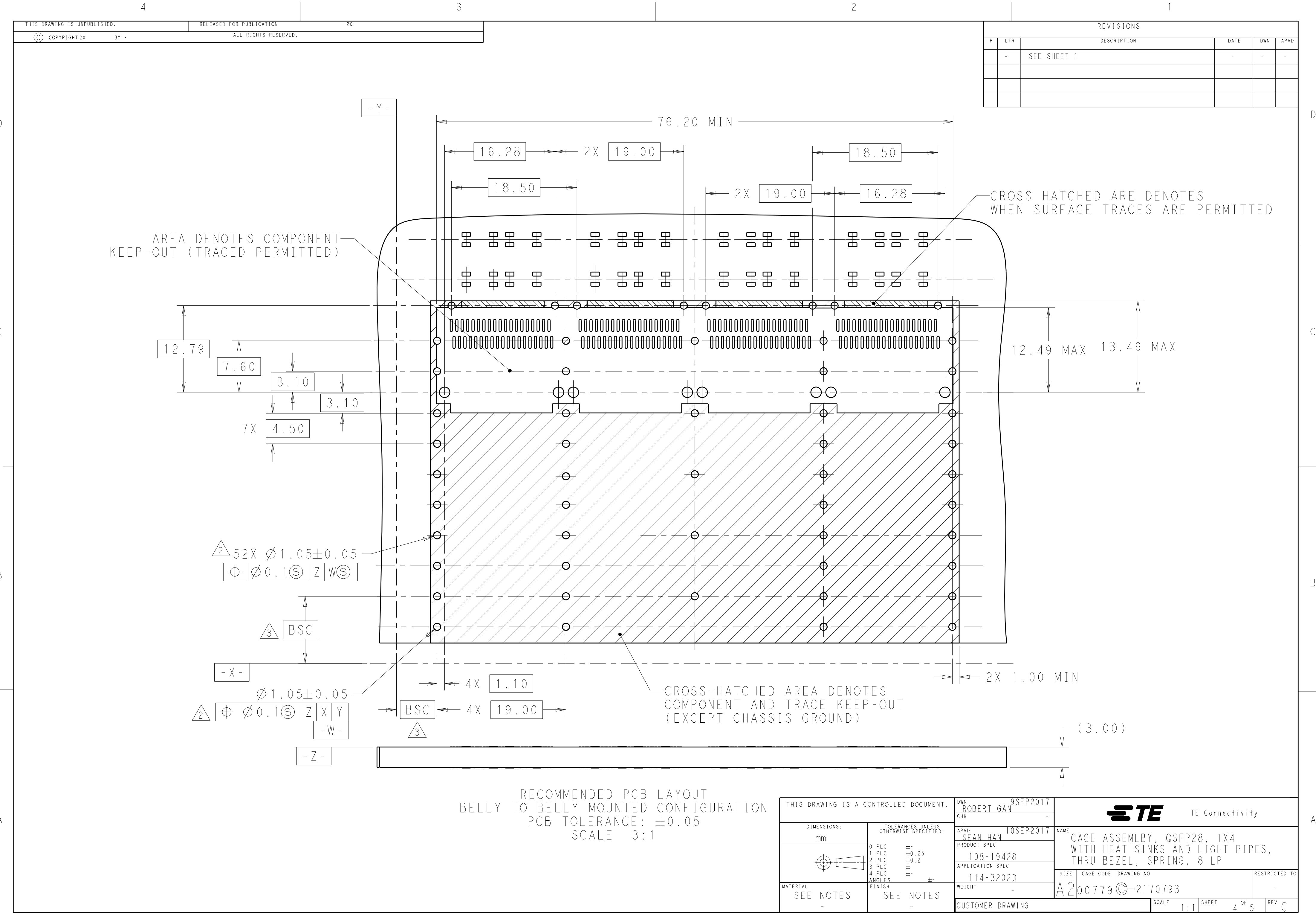
CROSS HATCHED ARE DENOTES
WHEN SURFACE TRACES ARE PERMITTED

CROSS-HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)

RECOMMENDED PCB LAYOUT
SINGLE SIDE MOUNTED CONFIGURATION
PCB TOLERANCE: ± 0.05
SCALE 3:1

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN 9SEP2017	 TE Connectivity		
DIMENSIONS: mm		CHK - 10SEP2017			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SEAN HAN	NAME CAGE ASSEMBLY, QSFP28, 1X4 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, SPRING, 8 LP		
0 PLC $\pm$ - 1 PLC ± 0.25 2 PLC ± 0.2 3 PLC $\pm$ - 4 PLC $\pm$ - ANGLES $\pm$ - FINISH		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -	SIZE A200779		
MATERIAL SEE NOTES		CUSTOMER DRAWING	DRAWING NO C-2170793		
SCALE 1:1		SHEET 3 OF 5		REV C	

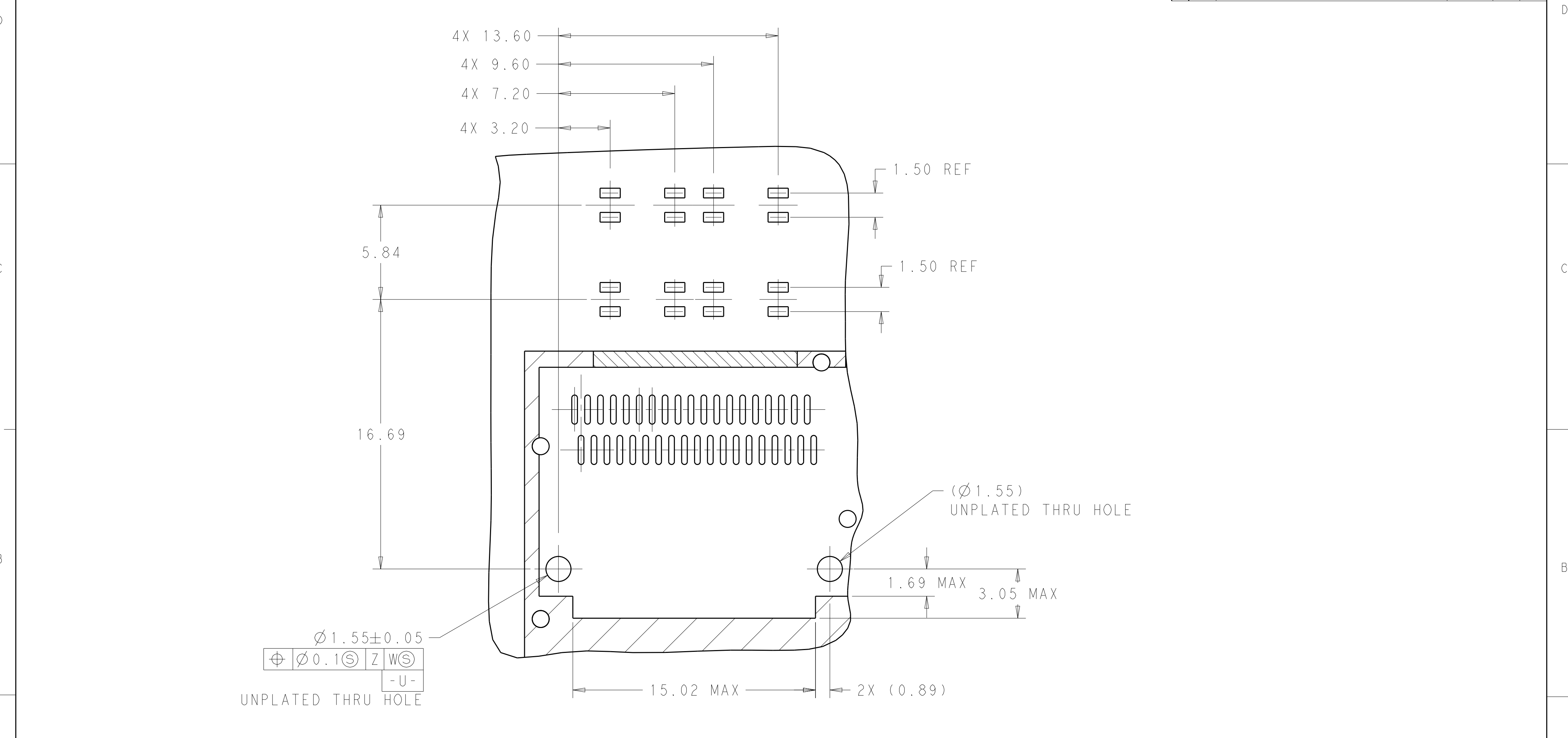


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

RECOMMENDED PCB LAYOUT
BELLY TO BELLY MOUNTED CONFIGURATION
PCB TOLERANCE: ± 0.05
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROBERT GAN 9SEP2017	TE Connectivity		
DIMENSIONS: mm		CHK -			
		APVD SEAN HAN 10SEP2017	NAME CAGE ASSEMBLY, QSFP28, 1X4 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, SPRING, 8 LP		
		PRODUCT SPEC 108-19428	SIZE A200779		
		APPLICATION SPEC 114-32023	CAGE CODE C-2170793		
		WEIGHT -	DRAWING NO -		
MATERIAL SEE NOTES		FINISH -	CUSTOMER DRAWING		
			SCALE 1:1	SHEET 4 OF 5	REV C

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



DETAIL A
RECOMMENDED CONNECTOR LAYOUT
(APPLIES TO ALL PCB LAYOUTS)
4X INDIVIDUALLY
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±
4 PLC ±
ANGLES ±
FINISH

MATERIAL

SEE NOTES

-

DWN
ROBERT GAN
CHK
-
APVD
SEAN HAN
PRODUCT SPEC
108-19428
APPLICATION SPEC
114-32023
WEIGHT
-

9SEP2017
10SEP2017

CUSTOMER DRAWING

TE Connectivity

NAME
CAGE ASSEMBLY, QSFP28, 1X4
WITH HEAT SINKS AND LIGHT PIPES,
THRU BEZEL, SPRING, 8 LP

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-2170793

RESTRICTED TO
-

SCALE
1:1

SHEET
5

OF
5

REV
C