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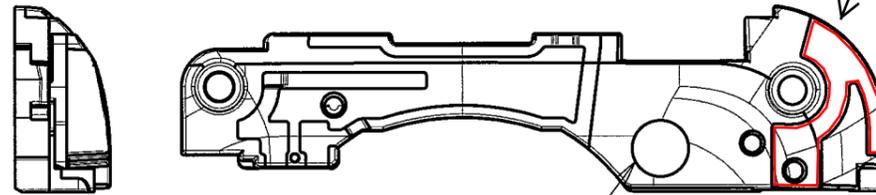
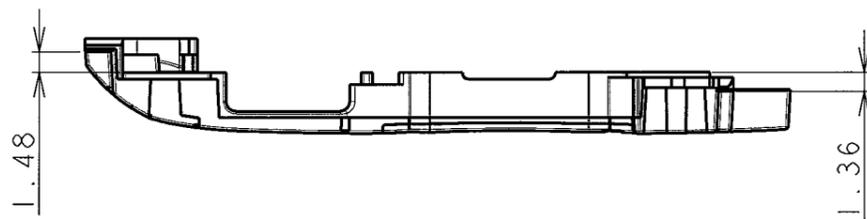
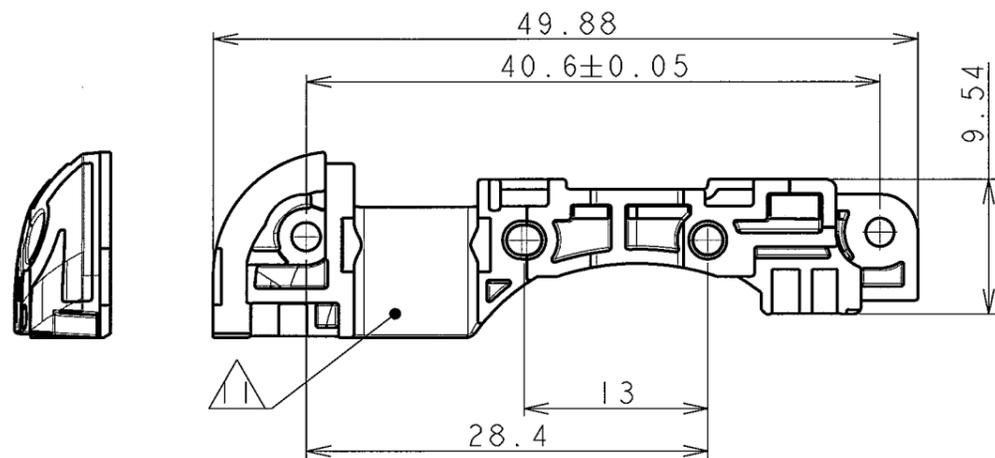
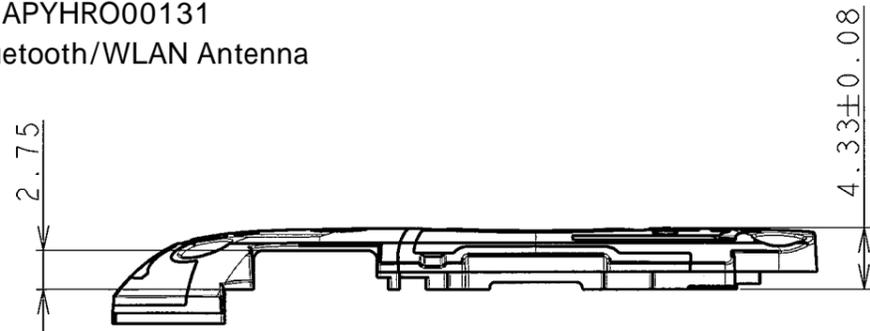
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED	07JUL2010	T.A	<i>TA</i>

RESTRICTED TO SHARP CORPORATION

FCC ID: APYHRO00131  
Sub/Bluetooth/WLAN Antenna



SCALE 1:1

SCALE 1:1

AS SHOWN ; - 1

1 FINISH: PLATING  
PLATING TO BE 15±2 μm OF ELECTROLESS COPPER  
OVERPLATED WITH 3±1.5 μm OF ELECTROLESS NICKEL  
OVERPLATED WITH 0.1μm MIN OF ELECTROLESS GOLD  
POROSITY SEALING

2 FINISH: PAINTING  
PAINTING AREA : SEE SHEET 2  
COLOR : MATTE BLACK

3 PAINTING AREA.

: NEED TO BE PAINTED.

4 PAINTING CAN OVERFLOW BESIDES THE HATCHED.

5 NOT PAINTING AREA. (Au PLATING AREA)

: NO PAINT IS ALLOWED ON CROSSHATCHED AREA.

6 MATERIAL: THERMOPLASTIC (COLOR: BLACK)

7. MAXIMUM GATE VESTIGE HEIGHT 0.15 mm FROM SURFACE.

8. BURR OF EJECTORS SHOULD NOT PROTRUDE.

9. MAXIMUM ALLOWED BURR IS 0.20mm.

10 DATE STAMP SHOULD NOT PROTRUDE.  
(PRODUCTION TOOL ONLY)

11 CAVITY ID POSITION

12. DRAWING REFERENCES 'SHARP\_AS31\_SUB\_2SHOT\_VER12'

TOLERANCES  
UNLESS OTHERWISE  
SPECIFIED

DIMENSION	TOLERANCE
0 - 100	0.1
100 - 250	0.15
250 - 400	0.2
400 - 500	0.3
500 -	0.5

REVISION HISTORY

REV	DATE	DESCRIPTION
A	07JUL2010	RELEASED

<small>THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.</small>		DWN T.ABE 14JUN2010 CHK A.TORIGOE 21JUN2010 APVD K.IJIRO 21JUN2010		Tyco Electronics Corporation Kawasaki, Japan	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0-PLC ± 1-PLC ± 2-PLC ± SEE TABLE 3-PLC ± 4-PLC ± ANGLES ±2°		NAME SHARP MID ANTENNA AS31 SUB	
		MATERIAL 6		FINISH 1 2	
PRODUCT SPEC 108-78799		APPLICATION SPEC		SIZE CAGE CODE DRAWING NO RESTRICTED TO A300779 C-2134321 SHP	
WEIGHT 1.21 g		RESTRICTED CUSTOMER		SCALE SHEET OF 2 REV A	