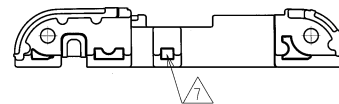
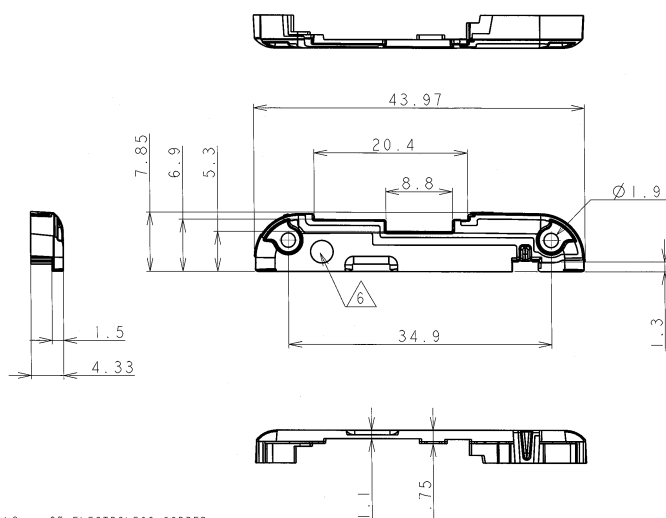


RESTRICTED TO SHARP CORPORATION

GSM(include PCS) Antenna



1 FINISH:
PLATING TO BE $15 \pm 2 \mu\text{m}$ OF ELECTROLESS COPPER
OVERPLATED WITH $3 \pm 1.5 \mu\text{m}$ OF ELECTROLESS NICKEL
OVERPLATED WITH $0.1 \mu\text{m}$ MIN OF ELECTROLESS GOLD
POROSITY SEALING

2 MATERIAL: THERMOPLASTIC

3. MAXIMUM GATE VESTIGE HEIGHT 0.15 mm FROM SURFACE.

4. BURR OF EJECTORS SHOULD NOT PROTRUDE.

5. MAXIMUM ALLOWED BURR IS 0.20mm.

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

7 CAVITY ID SHOULD NOT PROTRUDE.

8. DRAWING REFERENCES 'SHARP_J445 GSM_2SHOT_V02'

-1 : AS SHOWN

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

THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION.
IT IS SUBJECT TO CHANGING AND THE CONTROLLING ENGINEERING ORGANIZATION
SHOULD BE CONTACTED FOR THE LATEST REVISION.

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm			
	0 PLC	±	
	1 PLC	±	
	2 PLC	±	SEE TABLE
	3 PLC	±	
	4 PLC	±	
ANGLES		±	#2
MATERIAL		FINISH	
2		1	

OWN	27FEB2008
CHK	H. IKEDA
Y. TAKADA	29FEB2008
APVD	H. USUI
29FEB2008	
PRODUCT SPEC	
APPLICATION SPEC	
WEIGHT	0.56g
RESTRICTED CUSTOMER	

 Tyco Electronics		Tyco Electronics Corporation Kawasaki, Japan	
NAME			
MID ANTENNA FOR J445 GSM			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=2040644	SHIP
SCALE		SHEET	OF
2:1		1	1
		REV	A