

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	REVISED PER ECR-19-019812	02JAN2020	SR	BJ

SPECIFICATIONS:

MATERIAL
BASE, PPS, UL94V-0, BLACK
COVER, PPS, UL94V-0, BLACK
ACTUATOR, PA6T, UL94V-0, WHITE
FIXED CONTACT/TERMINAL, CU ALLOY-GOLD FLASH OVER NICKEL
MOVING CONTACT, CU ALLOY, PLATE-GOLD FLASH/NICKEL
TAPE SEAL-POLYIMIDE FILM, AMBER, SEE P/N TABLE FOR OPTIONS

ELECTRICAL
MAX CONTACT RATING SWITCHING, 100mA @ 5 VDC (AMPERE MAX)
25mA @ 24 VDC (VOLTAGE MAX)
MIN CONTACT RATING SWITCHING, 0.1mA (1mV)
MAX CONTACT NON-SWITCHING, 1AMP @ 5 VDC
INITIAL CONTACT RESISTANCE, 50 MILLIOHMS MAX.
CONTACT RESISTANCE (AFTER ENVIRONMENTAL TEST), 100 MILLIOHMS
CONTACT RESISTANCE (AFTER GAS TEST), 300 MILLIOHMS
INSULATION RESISTANCE, 1,000 MEGOHMS MIN. @ 100 VDC
DIELECTRIC STRENGTH, 300 VAC FOR 1 MINUTE.
LIFE EXPECTANCY, 1,000 CYCLES

MECHANICAL
OPERATING FORCE, LESS THAN 800 GRAMS
CONTACT PRESSURE, 280,000 PSI

ENVIRONMENTAL
OPERATING TEMPERATURE, -30 TO +85 DEGREES C
STORAGE TEMPERATURE, -30 TO +85 DEGREES C
CLEANING, AQUEOUS OR SOLVENT
SOLDER HEAT RESISTANCE, PER 109-201, COND B, SWITCH "OFF".
SOLDERABILITY PER IPC/ECA J-STD-002D, TEST S1 LEAD-FREE SOLDER - SURFACE MOUNT PROCESS SIMULATION TEST.

- 1 SWITCHES TO BE RECEIVED IN THE "OFF" POSITION AND PACKAGED IN CLEAR TUBES TO ACCOMMODATE AUTO-INSERTION OR PACKAGED ON TAPE AND REEL
- 2 TOP SURFACE TO BE CLEARLY MARKED AS SHOWN
- 3 SWITCHES TO BE BLACK WITH WHITE ACTUATORS AND MARKINGS.
- 4 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- 5 TAPE AND REEL PACKAGING PER EIA 481.
- 6 PACKAGING REEL DIMENSIONS (PLEASE REFERENCE SHEET 2)
FOR 1977208-1,-3, DIM: 24.5
FOR 1977208-2,-4, DIM: 44.4

-----CONTINUED ON SHEET 2

D

C

B

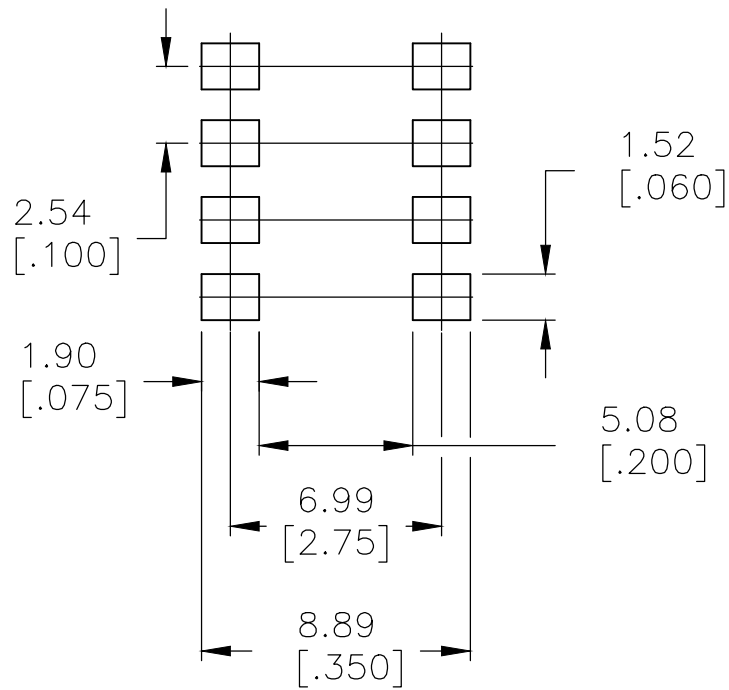
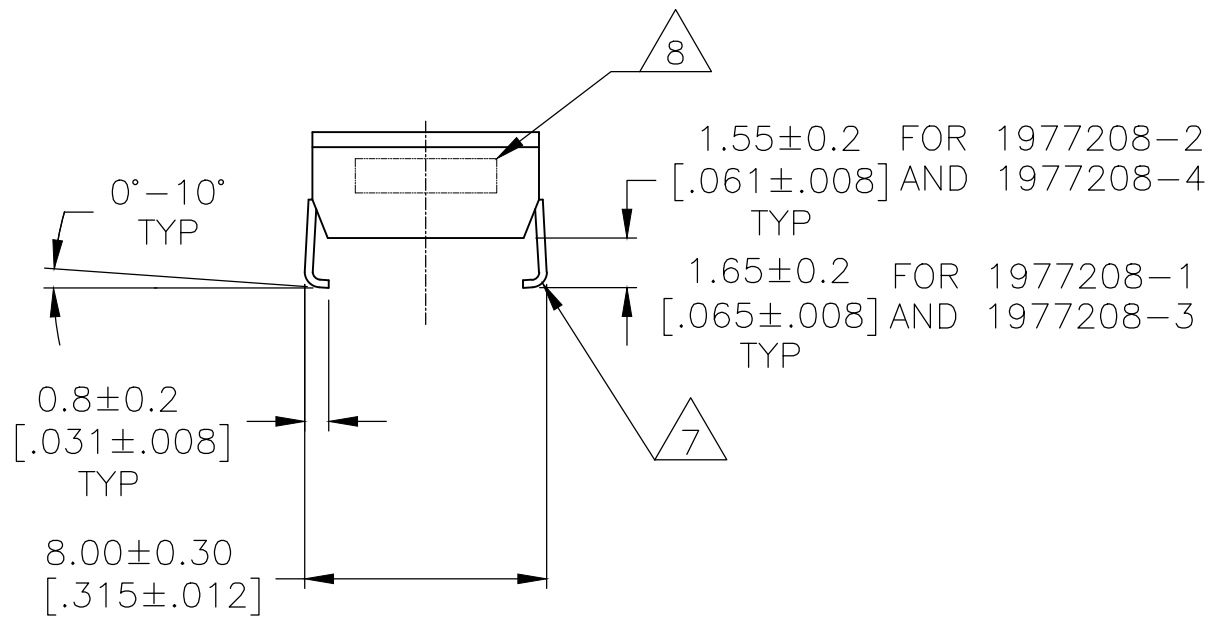
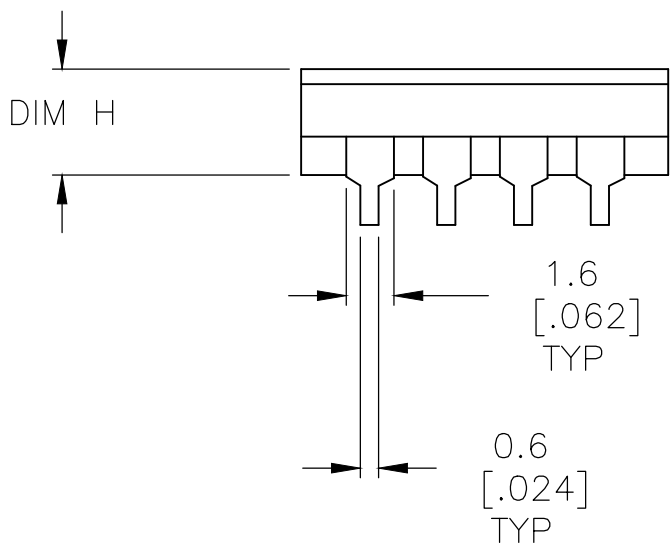
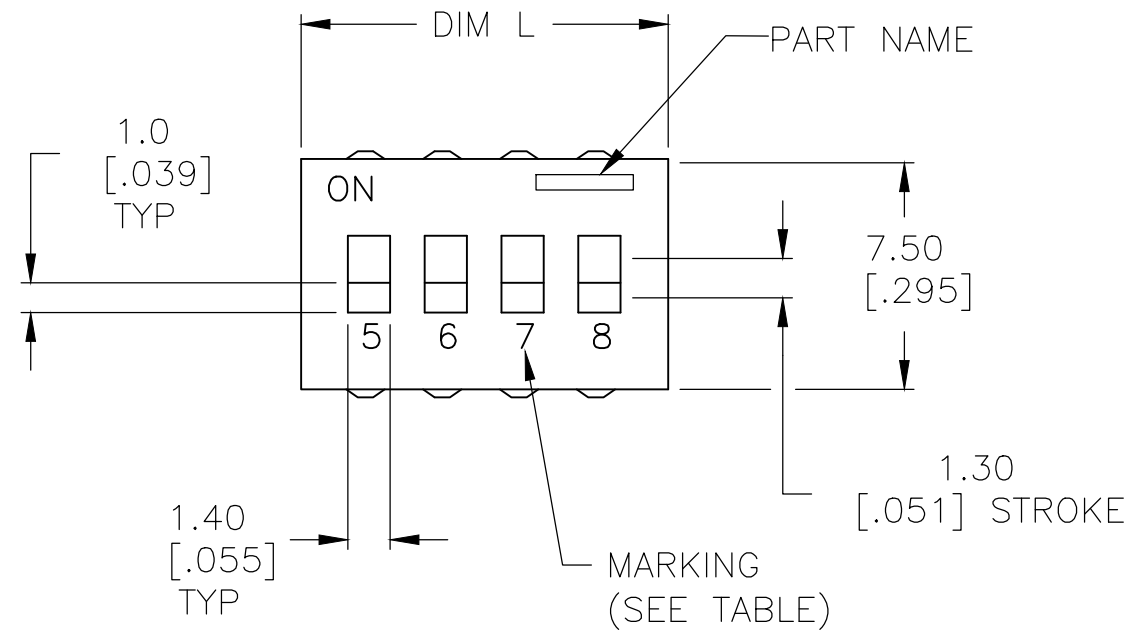
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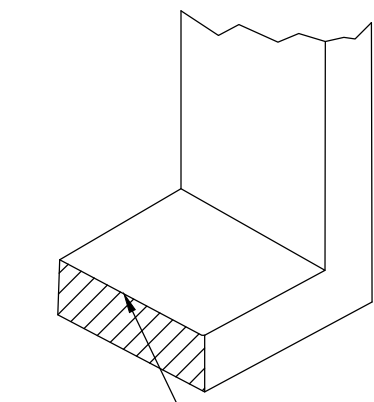
B

A



RECOMMENDED PAD LAYOUT

CONTACT PLATING DETAIL

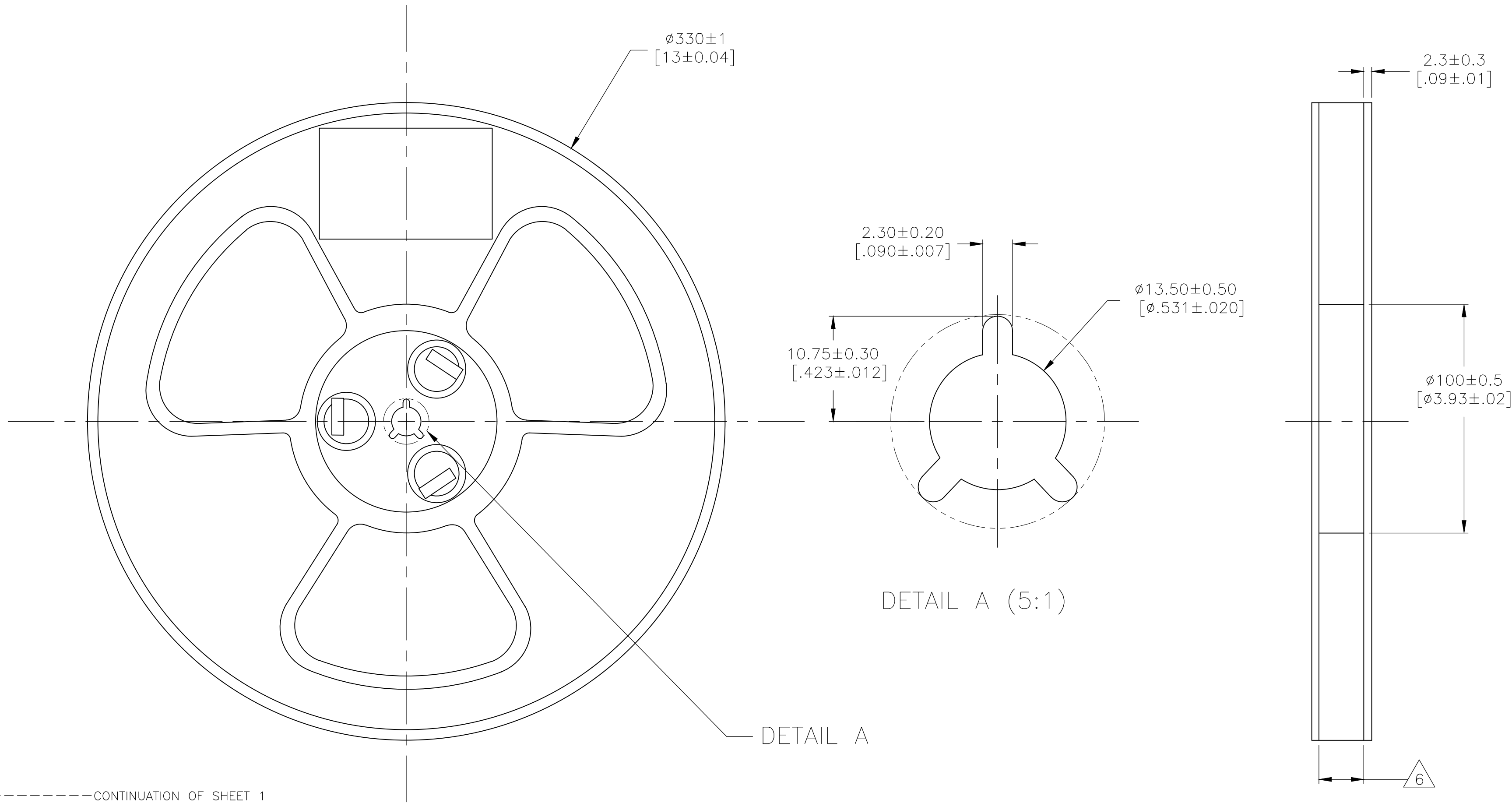


SHEAR EDGE NOT PLATED.
ALL REMAINING SURFACES ARE
SUPPLIED WITH GOLD-FLASH
OVER NICKEL PLATING

1,2,3,4,5,6,7,8,1,2,3,4	T&R	NO	3.50 (.138)	32.50 (1.280)	12	ADF12SATR04900	1977208-4
5,6,7,8	T&R	NO		12.1 (.478)	4	ADF04SATR04900	1977208-3
1,2,3,4,5,6,7,8,1,2,3,4	T&R	YES	3.50 (.138)	32.50 (1.280)	12	ADF12SATTR04900	1977208-2
5,6,7,8	T&R	YES		12.1 (.478)	4	ADF04SATTR04900	1977208-1
MARKING	PKG.	TAPE SEAL	DIM H	DIM L	POLE	OLD T&B P/N	P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	30AUG07	TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK M.SARVER	-	NAME -			
		APVD M.SARVER	-	DIP SWITCH, ADF-SMT SERIES, SPECIAL			
		PRODUCT SPEC	-				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		0 PLC ± -	-	A2	-	1977208	-
MATERIAL		FINISH	-	WEIGHT	-	SCALE	REV
-		-	-	-	-	4:1	G
CUSTOMER DRAWING						SHEET	1 of 3

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



-----CONTINUATION OF SHEET 1

7 SEE PLATING DETAIL FOR DEFINITION OF CONTACT PLATING SURFACES

8 LOT CODE MARKING

15 5 8 A1

SPACE INTERNAL CONTROL No. (2-digit)

YEAR OF PRODUCTION WITH 1-DIGIT FIGURE(4TH DIGIT OF CALENDAR YEAR)
(EXAMPLE: Y2018: 8; Y2019: 9)

MONTH OF PRODUCTION WITH 1-DIGIT FIGURE OR ALPHABET
(EXAMPLE: 1~9, X(10), Y(11), Z(12))

DATE OF PRODUCTION WITH 2-DIGIT FIGURES(01-31)

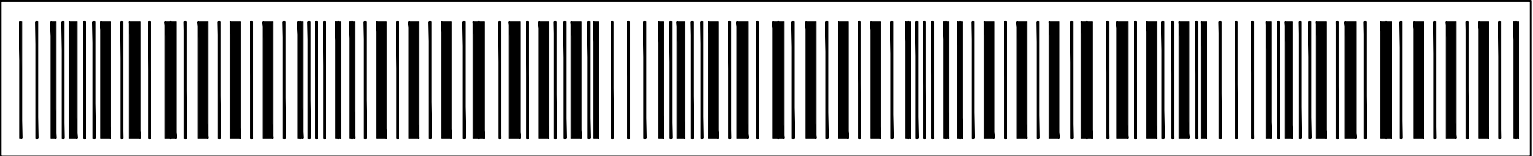
9. STICK A BAR CODE LABEL OF 40mm x 83mm TO EACH REEL.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	30AUG07	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK M.SARVER	-		
		APVD M.SARVER	-	NAME DIP SWITCH, ADF-SMT SERIES, SPECIAL	
		PRODUCT SPEC	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.30[.012] 3 PLC ± - 4 PLC ± - ANGLES ± -		APPLICATION SPEC	-	SIZE A2	CAGE CODE -
		WEIGHT -	-	DRAWING NO C=1977208	RESTRICTED TO -
MATERIAL -		CUSTOMER DRAWING		SCALE 4:1	SHEET 2 OF 3
FINISH -				REV G	

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

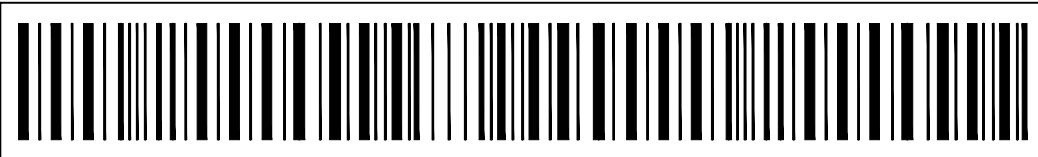
BAR CODE LABEL DETAILS

TE Part Number:



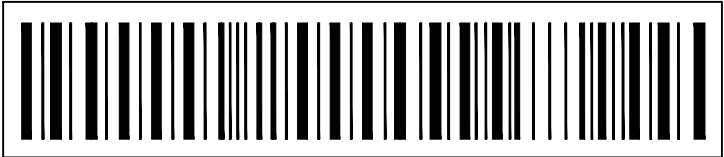
1977208-3

Part Description:



ADF04SATR04900=4POS DIP

TE Connectivity:

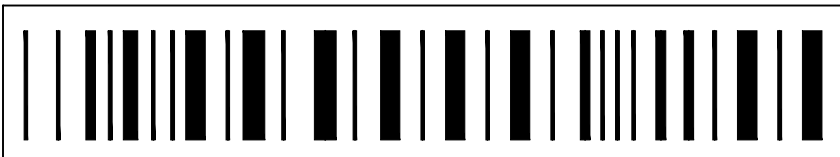


Qty:



130

Date Code:



1948

40 mm

83 mm

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	30AUG07	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK M.SARVER	-		
	0 PLC	±	-	NAME DIP SWITCH, ADF-SMT SERIES, SPECIAL	
	1 PLC	±	-		
	2 PLC	±	0.30[.012]		
	3 PLC	±	-		
MATERIAL -	4 PLC	±	-	SIZE A2	
	FINISH -	±	-		
		WEIGHT -	-	CAGE CODE -	
		CUSTOMER DRAWING	SCALE NTS		
			SHEET 3 OF 3	RESTRICTED TO -	
			REV G		