

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		02	ECO 05 016722	13OCT06	BSV	MS

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, 100MILLIAMP @ 24 VDC
MIN CONTACT RATING SWITCHING, .1MICROAMP @ 1 MILLIVOLT
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, 500 VAC RMS @ SEA LEVEL
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, -45 TO + 100 DEGREES C
CLEANING, AQUEOUS OR SOLVENT
SOLDER HEAT RESISTANCE, PER 109-201, COND B, SWITCH "OFF".
SOLDERABILITY PER JIS C 0050 & JIS C 0053.

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.

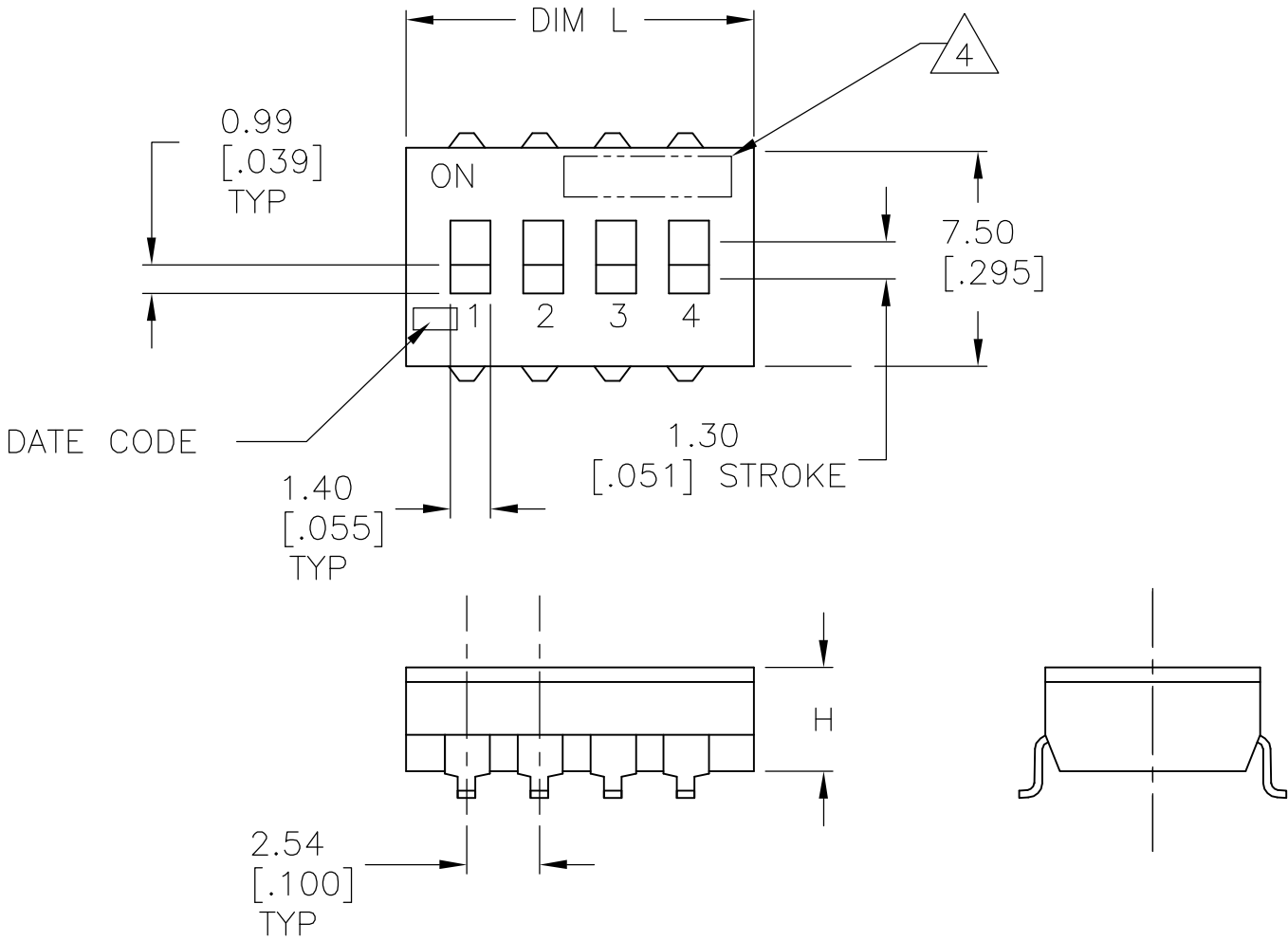
TERMINAL OPTION: OLD T&B P/N ADExxS, SA OR SB
S= OUTSIDE "L" TERMINALS; SA= INSIDE "L" TERMINALS;
SB= BUTT TERMINALS
5.

ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
6.

TOP TAPE SEAL AVAILABLE, SEE TABLE FOR OPTIONS.
7.

TAPE AND REEL PACKAGING PER EIA 481.

SEE SHEET 3 FOR PART NUMBER TABLE
SEE SHEET 2 FOR MOUNTING OPTIONS



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA		11FEB05	tyco Electronics		Tyco Electronics Corporation Harrisburg, PA 17105-3608								
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK M.SARVER	-	NAME - DIP SWITCH, ADF-SMT SERIES -									
				APVD M.SARVER	-										
		PRODUCT SPEC		SIZE CAGE CODE DRAWING NO RESTRICTED TO											
		APPLICATION SPEC													
MATERIAL -		FINISH -		WEIGHT -		A2		-		C=1825059		-			
				CUSTOMER DRAWING				SCALE 4:1		SHEET 1 of 3		REV 02			

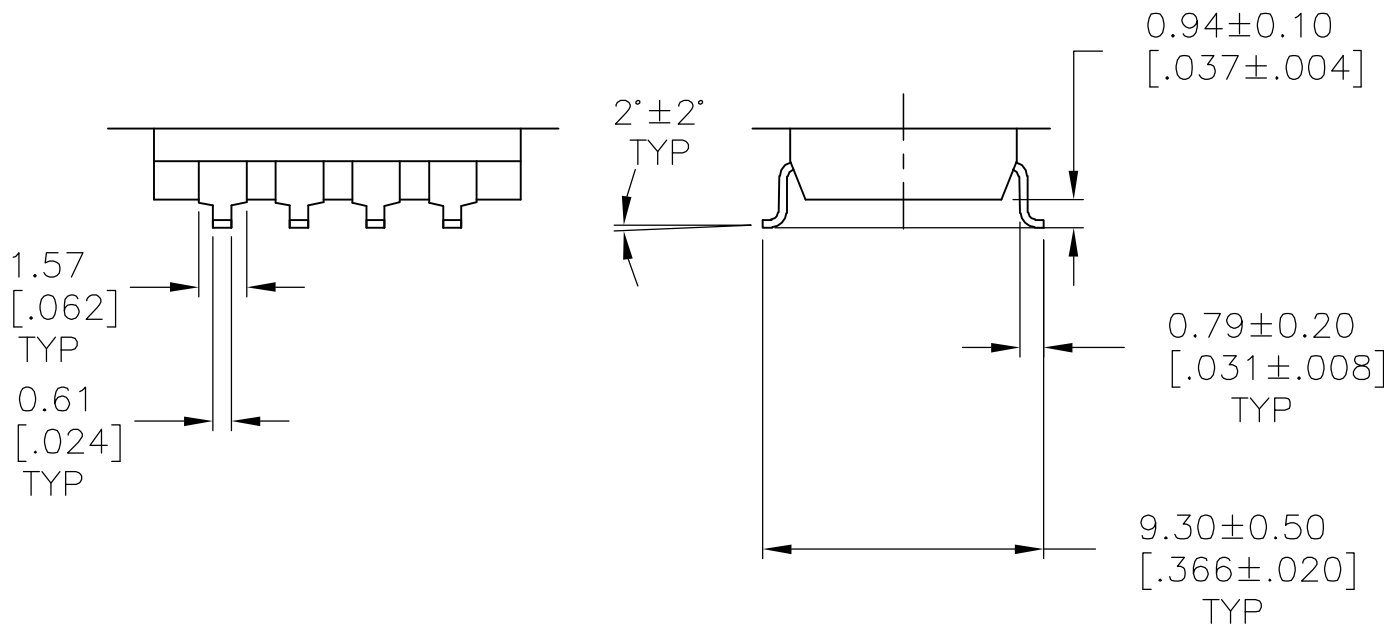
4

3

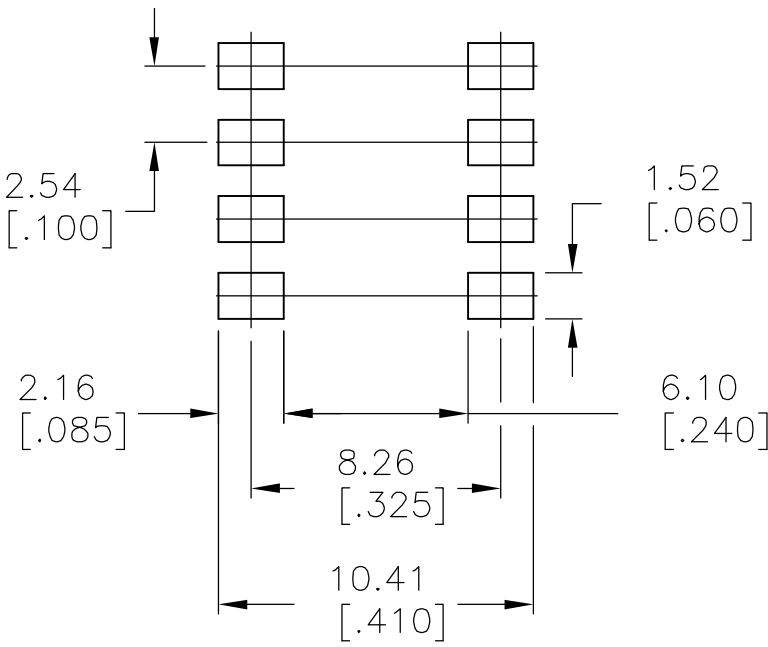
2

1

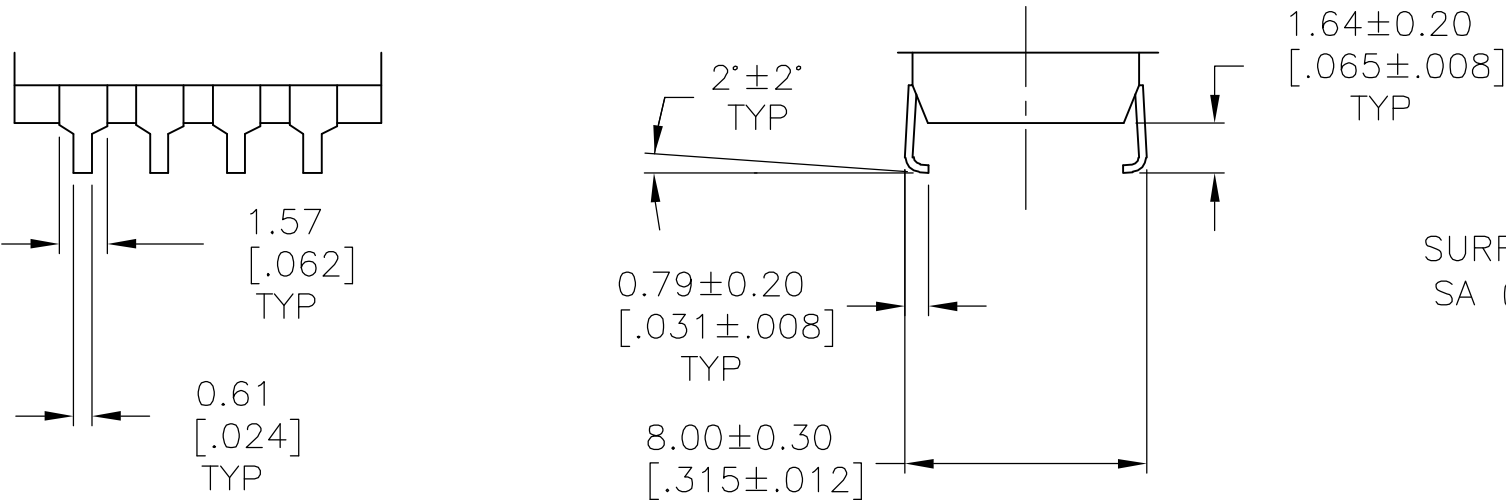
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—



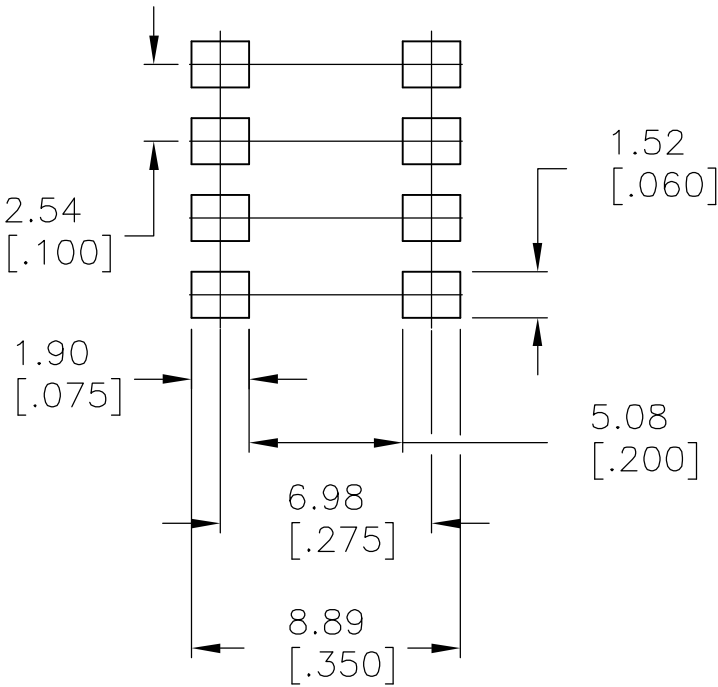
SURFACE MOUNT
S (OUTSIDE "L")



RECOMMENDED PAD LAYOUT



SURFACE MOUNT
SA (INSIDE "L")



RECOMMENDED PAD LAYOUT

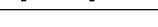
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA CHK M.SARVER APVD M.SARVER		11FEB05		tyco Electronics		Tyco Electronics Corporation Harrisburg, PA 17105-3608					
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC —		NAME DIP SWITCH, ADF-SMT SERIES							
		0 PLC ± — 1 PLC ± — 2 PLC ± 0.30[.012] 3 PLC ± — 4 PLC ± — ANGLES ± —		APPLICATION SPEC —		SIZE A2		CAGE CODE —		DRAWING NO C=1825059		RESTRICTED TO —	
MATERIAL —		FINISH —		WEIGHT —		CUSTOMER DRAWING		SCALE 4:1		SHEET 2 of 3		REV 02	

THIS DRAWING IS UNPUBLISHED.	RELEASED FOR PUBLICATION	1825059, 1825059
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LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—

ADF09S04	3.50[.138]	24.54[.978]	NO	9	4-1825059-3
ADF08STTR04	3.50[.138]	22.30[.878]	YES	8	4-1825059-2
ADF08ST04	3.50[.138]	22.30[.878]	YES	8	4-1825059-1
ADF08SATTR04	3.50[.138]	22.30[.878]	YES	8	4-1825059-0
ADF08SAT04	3.50[.138]	22.30[.878]	YES	8	3-1825059-9
ADF08SA04	3.50[.138]	22.30[.878]	NO	8	3-1825059-8
ADF08S04	3.50[.138]	22.30[.878]	NO	8	3-1825059-7
ADF07STTR04	3.50[.138]	19.76[.778]	YES	7	3-1825059-6
ADF07ST04	3.50[.138]	19.76[.778]	YES	7	3-1825059-5
ADF07SATTR04	3.50[.138]	19.76[.778]	YES	7	3-1825059-4
ADF07SAT04	3.50[.138]	19.76[.778]	YES	7	3-1825059-3
ADF07SA04	3.50[.138]	19.76[.778]	NO	7	3-1825059-2
ADF07S04	3.50[.138]	19.76[.778]	NO	7	3-1825059-1
ADF06STTR04	3.50[.138]	17.22[.678]	YES	6	3-1825059-0
ADF06ST04	3.50[.138]	17.22[.678]	YES	6	2-1825059-9
ADF06SATTR04	3.50[.138]	17.22[.678]	YES	6	2-1825059-8
ADF06SAT04	3.50[.138]	17.22[.678]	YES	6	2-1825059-7
ADF06SA04	3.50[.138]	17.22[.678]	NO	6	2-1825059-6
ADF06S04	3.50[.138]	17.22[.678]	NO	6	2-1825059-5
ADF05STTR04	3.50[.138]	14.68[.578]	YES	5	2-1825059-4
ADF05ST04	3.50[.138]	14.68[.578]	YES	5	2-1825059-3
ADF05SATTR04	3.50[.138]	14.68[.578]	YES	5	2-1825059-2
ADF05SAT04	3.50[.138]	14.68[.578]	YES	5	2-1825059-1
ADF05SA04	3.50[.138]	14.68[.578]	NO	5	2-1825059-0
ADF05S04	3.50[.138]	14.68[.578]	NO	5	1-1825059-9
ADF04STTR04	3.50[.138]	12.14[.478]	YES	4	1-1825059-8
ADF04ST04	3.50[.138]	12.14[.478]	YES	4	1-1825059-7
ADF04SATTR04	3.50[.138]	12.14[.478]	YES	4	1-1825059-6
ADF04SAT04	3.50[.138]	12.14[.478]	YES	4	1-1825059-5
ADF04SA04	3.50[.138]	12.14[.478]	NO	4	1-1825059-4
ADF04S04	3.50[.138]	12.14[.478]	NO	4	1-1825059-3
ADF03STTR04	3.50[.138]	9.60[.378]	YES	3	1-1825059-2
ADF03ST04	3.50[.138]	9.60[.378]	YES	3	1-1825059-1
ADF03SATTR04	3.50[.138]	9.60[.378]	YES	3	1-1825059-0
ADF03SAT04	3.50[.138]	9.60[.378]	YES	3	1825059-9
ADF03SA04	3.50[.138]	9.60[.378]	NO	3	1825059-8
ADF03S04	3.50[.138]	9.60[.378]	NO	3	1825059-7
ADF02STTR04	3.50[.138]	7.06[.278]	YES	2	1825059-6
ADF02ST04	3.50[.138]	7.06[.278]	YES	2	1825059-5
ADF02SATTR04	3.50[.138]	7.06[.278]	YES	2	1825059-4
ADF02SAT04	3.50[.138]	7.06[.278]	YES	2	1825059-3
ADF02SA04	3.50[.138]	7.06[.278]	NO	2	1825059-2
ADF02S04	3.50[.138]	7.06[.278]	NO	2	1825059-1
T&B P/N	DIM H	DIM L	SEAL	POS	TYCO P/N

ADF12STTR04	3.61[.142]	32.51[1.280]	YES	12	6-1825059-0
ADF12ST04	3.61[.142]	32.51[1.280]	YES	12	5-1825059-9
ADF12SATTR04	3.61[.142]	32.51[1.280]	YES	12	5-1825059-8
ADF12SAT04	3.61[.142]	32.51[1.280]	YES	12	5-1825059-7
ADF12SA04	3.61[.142]	32.51[1.280]	NO	12	5-1825059-6
ADF12S04	3.61[.142]	32.51[1.280]	NO	12	5-1825059-5
ADF10STTR04	3.50[.138]	27.36[1.078]	YES	10	5-1825059-4
ADF10ST04	3.50[.138]	27.36[1.078]	YES	10	5-1825059-3
ADF10SATTR04	3.50[.138]	27.36[1.078]	YES	10	5-1825059-2
ADF10SAT04	3.50[.138]	27.36[1.078]	YES	10	5-1825059-1
ADF10SA04	3.50[.138]	27.36[1.078]	NO	10	5-1825059-0
ADF10S04	3.50[.138]	27.36[1.078]	NO	10	4-1825059-9
ADF09STTR04	3.50[.138]	24.54[.978]	YES	9	4-1825059-8
ADF09ST04	3.50[.138]	24.54[.978]	YES	9	4-1825059-7
ADF09SATTR04	3.50[.138]	24.54[.978]	YES	9	4-1825059-6
ADF09SAT04	3.50[.138]	24.54[.978]	YES	9	4-1825059-5
ADF09SA04	3.50[.138]	24.54[.978]	NO	9	4-1825059-4
T&B P/N	DIM H	DIM L	SEAL	POS	TYCO P/N

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		0 PLC ± - 1 PLC ± - 2 PLC ± 0.30[.012] 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC - APPLICATION SPEC -		SIZE A2	
MATERIAL -		FINISH -		WEIGHT -		CAGE CODE -	
						DRAWING NO C-1825059	
						RESTRICTED TO -	
CUSTOMER DRAWING				SCALE 4:1		SHEET 3 of 3	
						REV 02	