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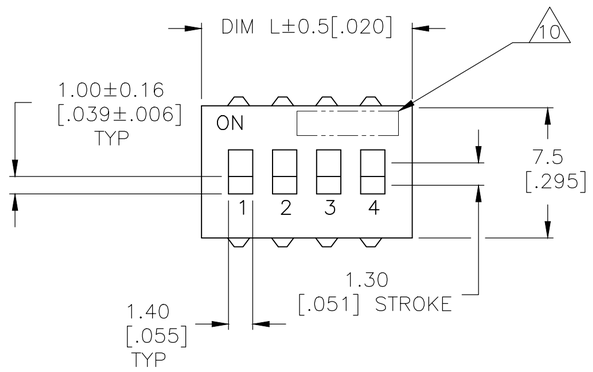
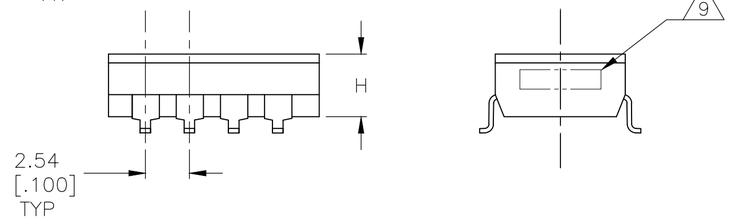
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A8	REVISED PER ECO-20-003630	13MAR2020	SR	AS





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-POLYMIDE 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 +105 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.

8 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

9 LOT CODE MARKING

15 5 8 SPACE A1

- 15 — DATE OF PRODUCTION WITH 2-DIGIT FIGURES(01-31)
- 5 — MONTH OF PRODUCTION WITH 1-DIGIT FIGURE OR ALPHABET (EXAMPLE: 1~9, X(10), Y(11), Z(12))
- 8 — YEAR OF PRODUCTION WITH 1-DIGIT FIGURE(4TH DIGIT OF CALENDAR YEAR) (EXAMPLE: Y2018: 8; Y2019: 9)
- SPACE
- A1 — INTERNAL CONTROL No. (2-digit)

10 MARK ALCO PLUS FIRST 5 DIGITS PER T&B P/N.2 AND 3 POSITION SUPPLIED WITHOUT ALCO

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

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.30[.012]
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL -
FINISH -

DWN B.S.VISWESWARA 11FEB05
CHK M.SARVER -
APVD M.SARVER -
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

TE Connectivity

NAME DIP SWITCH, ADF-SMT SERIES

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	-	C-1825059	—

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 3 | REV A8

1825059

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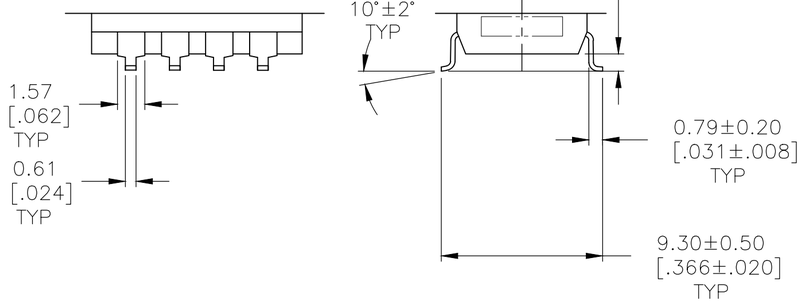
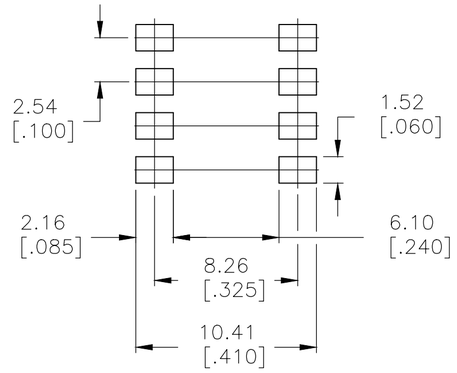
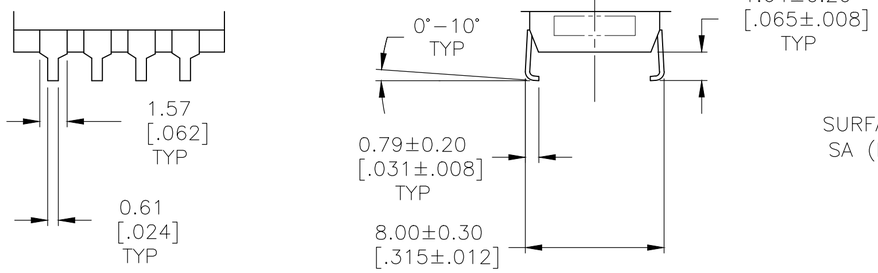
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—



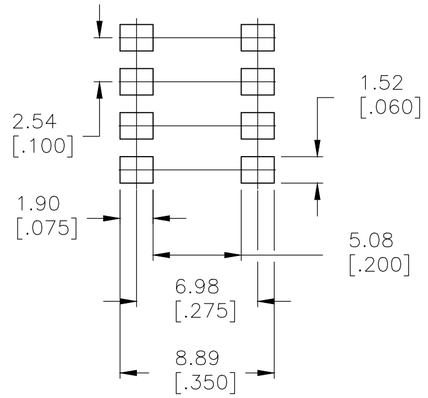
SURFACE MOUNT
S (OUTSIDE "L")



RECOMMENDED PAD LAYOUT



SURFACE MOUNT
SA (INSIDE "L")



RECOMMENDED PAD LAYOUT

1825059

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN B.S.VISWESWARA 11FEB05	TE Connectivity	
DIMENSIONS: mm [INCHES]	CHK M.SARVER –	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.30[.012] ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	APVD M.SARVER –	DIP SWITCH, ADF–SMT SERIES	
MATERIAL –	PRODUCT SPEC —	SIZE A2	CAGE CODE –
FINISH –	APPLICATION SPEC —	DRAWING NO C-1825059	RESTRICTED TO —
	WEIGHT —	CUSTOMER DRAWING	SCALE 4:1 SHEET 2 OF 3 REV A8

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REVISIONS

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

	ADF05STR04	3.50[.138]	14.68[.578]	NO	5	6–1825059–4
	ADF10STR04	3.50[.138]	27.36[1.078]	NO	10	6–1825059–2
	ADF03STR04	3.50[.138]	9.60[.378]	NO	3	6–1825059–1
OBSOLETE	ADF12STTR04	3.61[.142]	32.51[1.280]	YES	12	~~6–1825059–0~~
OBSOLETE	ADF12ST04	3.61[.142]	32.51[1.280]	YES	12	~~5–1825059–9~~
OBSOLETE	ADF12SATTR04	3.61[.142]	32.51[1.280]	YES	12	~~5–1825059–8~~
OBSOLETE	ADF12SAT04	3.61[.142]	32.51[1.280]	YES	12	~~5–1825059–7~~
OBSOLETE	ADF12SA04	3.61[.142]	32.51[1.280]	NO	12	~~5–1825059–6~~
OBSOLETE	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
OBSOLETE	ADF10SATTR04	3.50[.138]	27.36[1.078]	YES	10	~~5–1825059–2~~
OBSOLETE	ADF10SAT04	3.50[.138]	27.36[1.078]	YES	10	~~5–1825059–1~~
OBSOLETE	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
OBSOLETE	ADF09ST04	3.50[.138]	24.54[.978]	YES	9	~~4–1825059–7~~
OBSOLETE	ADF09SATTR04	3.50[.138]	24.54[.978]	YES	9	~~4–1825059–6~~
OBSOLETE	ADF09SAT04	3.50[.138]	24.54[.978]	YES	9	~~4–1825059–5~~
OBSOLETE	ADF09SA04	3.50[.138]	24.54[.978]	NO	9	~~4–1825059–4~~
	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
OBSOLETE	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
OBSOLETE	ADF07SATTR04	3.50[.138]	19.76[.778]	YES	7	~~3–1825059–4~~
OBSOLETE	ADF07SAT04	3.50[.138]	19.76[.778]	YES	7	~~3–1825059–3~~
OBSOLETE	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
OBSOLETE	ADF06SATTR04	3.50[.138]	17.22[.678]	YES	6	~~2–1825059–8~~
OBSOLETE	ADF06SAT04	3.50[.138]	17.22[.678]	YES	6	~~2–1825059–7~~
OBSOLETE	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
OBSOLETE	ADF05SATTR04	3.50[.138]	14.68[.578]	YES	5	~~2–1825059–2~~
OBSOLETE	ADF05SAT04	3.50[.138]	14.68[.578]	YES	5	~~2–1825059–1~~
OBSOLETE	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
OBSOLETE	ADF03SATTR04	3.50[.138]	9.60[.378]	YES	3	~~1–1825059–0~~
OBSOLETE △8	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
OBSOLETE	ADF02SATTR04	3.50[.138]	7.06[.278]	YES	2	~~1825059–4~~
	ADF02SAT04	3.50[.138]	7.06[.278]	YES	2	1825059–3
OBSOLETE	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	PART NO.

1825059

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1 PLC ± –
2 PLC ± 0.30[.012]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –

FINISH –

DWN B.S.VISWESWARA 11FEB05
CHK M.SARVER –
APVD M.SARVER –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT –

TE Connectivity

NAME DIP SWITCH, ADF–SMT SERIES

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	–	C–1825059	—

CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 3 | REV A8

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