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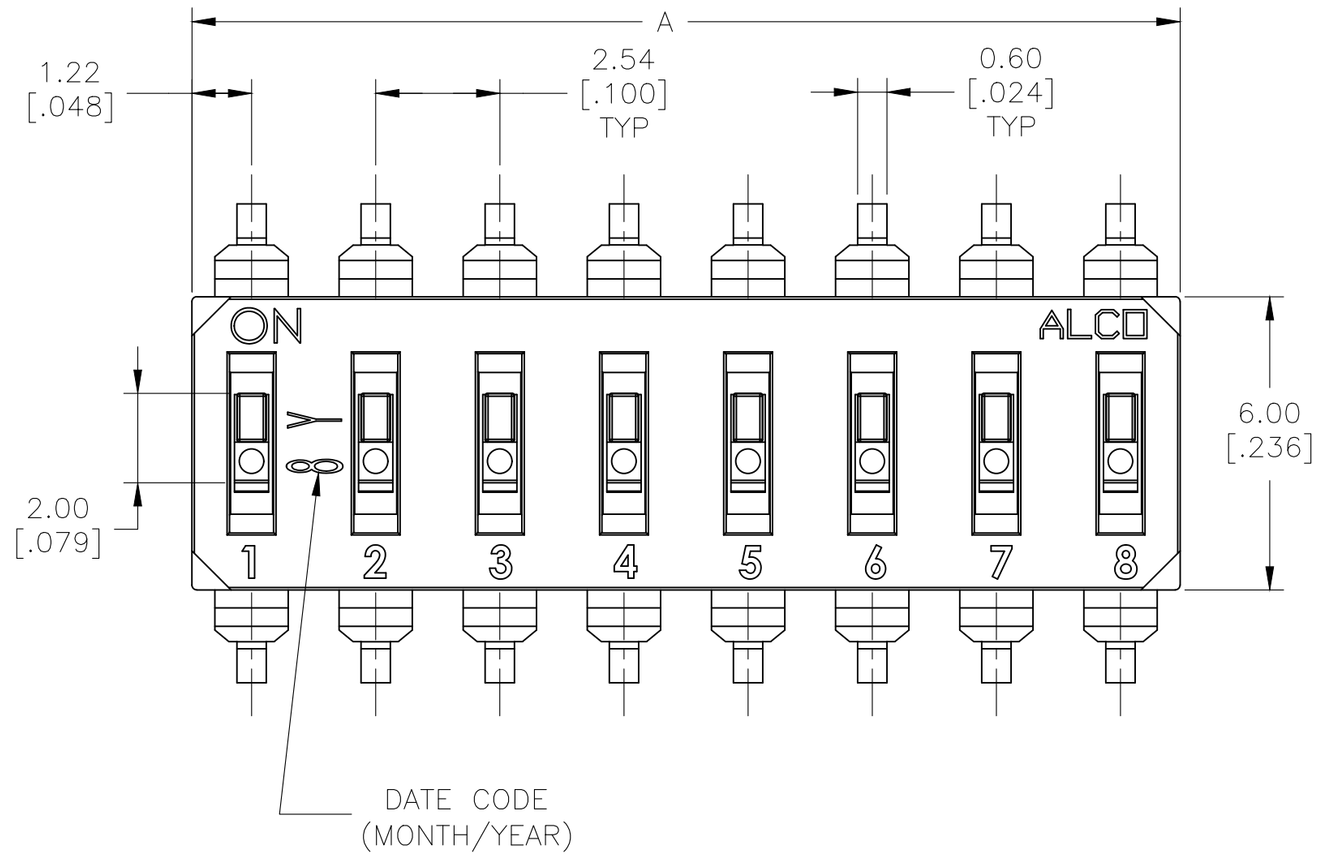
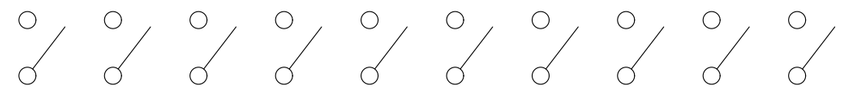
M SERIES RAISED ACTUATOR

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29MAY2017	SK	AS
	A1	REVISED PER ECO-17-015842	27OCT2017	RK	AS

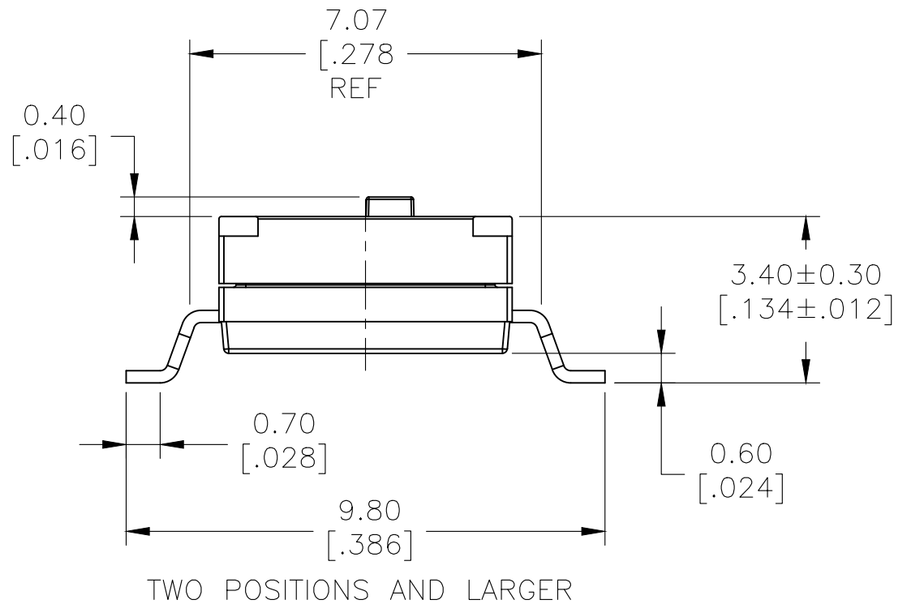


SCHEMATIC(TYP.)

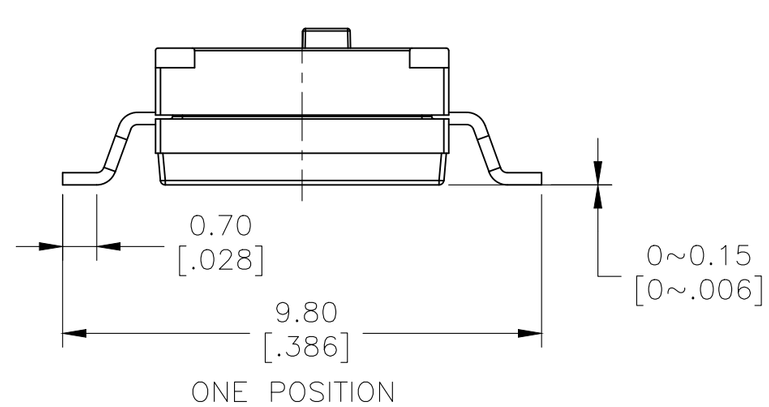


(1, 2, 3, 4, 5, 6, 7, 8,
9, 10, 12 POS AVAIL)

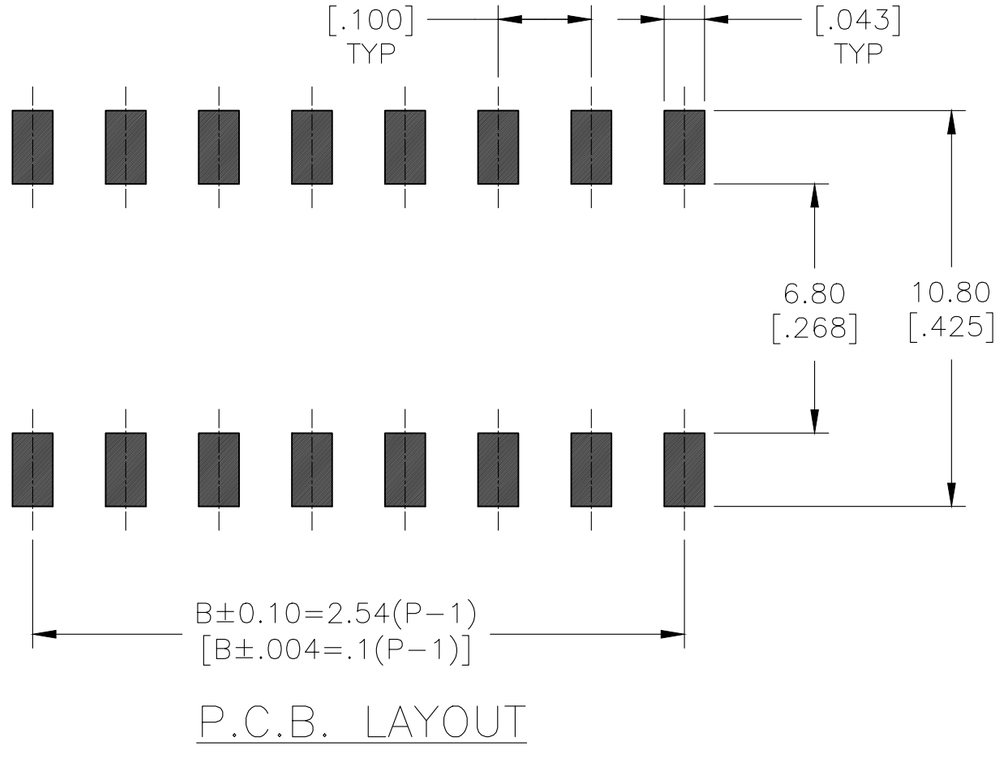
CIRCUIT DIAGRAM



TWO POSITIONS AND LARGER



ONE POSITION



P.C.B. LAYOUT

EDS – – – – 04Q

POSITIONS:
01,02,03,04,05,06
07,08,09,10,12

SMT:
SG=GULL WING
SN=J STYLE

ACTUATOR:
N=RAISED
R=RECESSED

HALOGEN FREE

ROHS COMPLIANT

PACKAGING:
TU=TUBE
TR=TAPE AND REEL

SEAL:
N=NONE
S=TOP SEAL

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DIMENSIONS: mm[INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.20[.008]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN SHIVAKUMAR S S 29MAY2017
CHK ALEXANDER SHARPE 12MAY2017
APVD ALEXANDER SHARPE 29MAY2017
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

TE Connectivity

NAME
END STACKABLE DIP SWITCHES
RAISED ACTUATOR
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2319847	–

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 4 | REV A1

2319847

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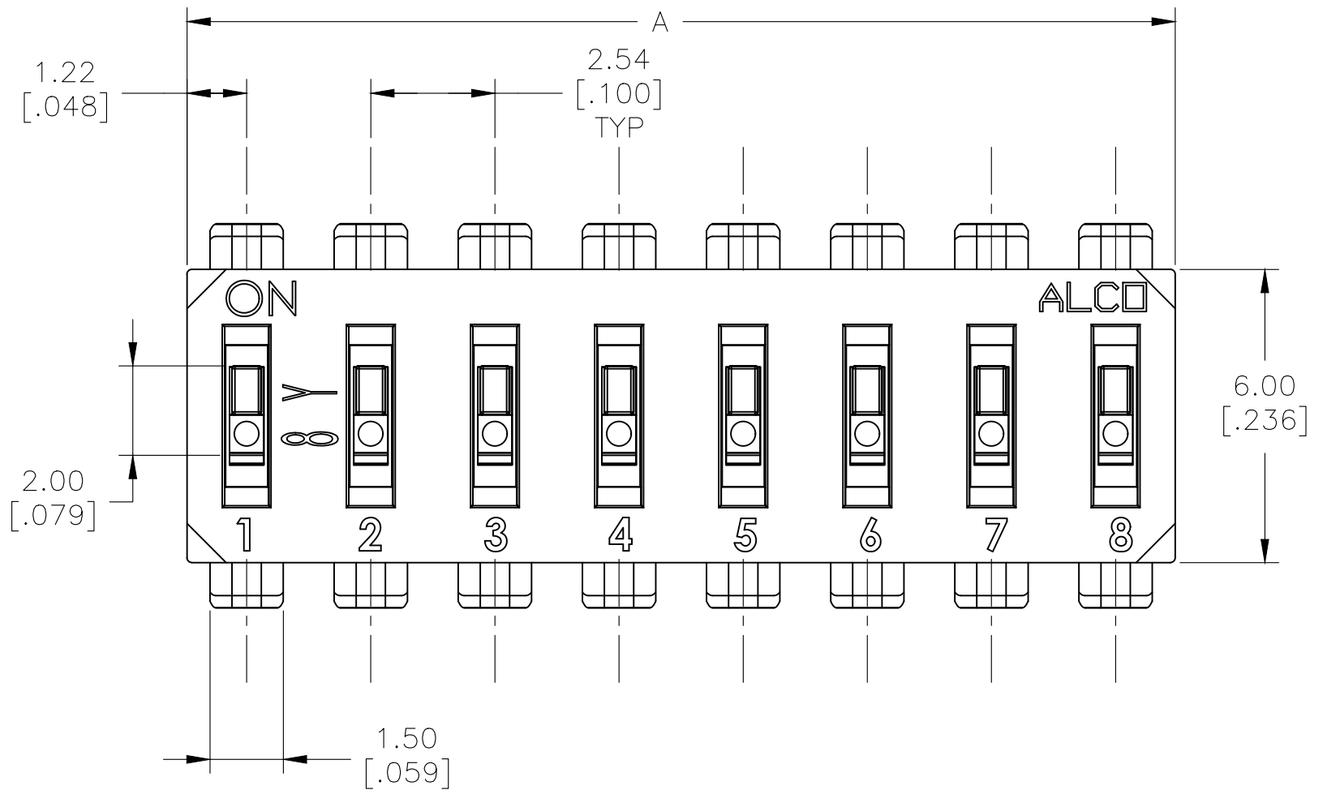
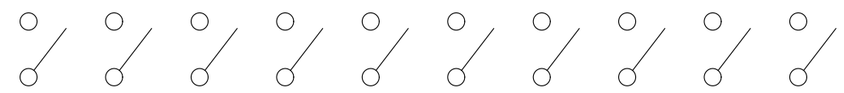
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–

J SERIES RAISED ACTUATOR

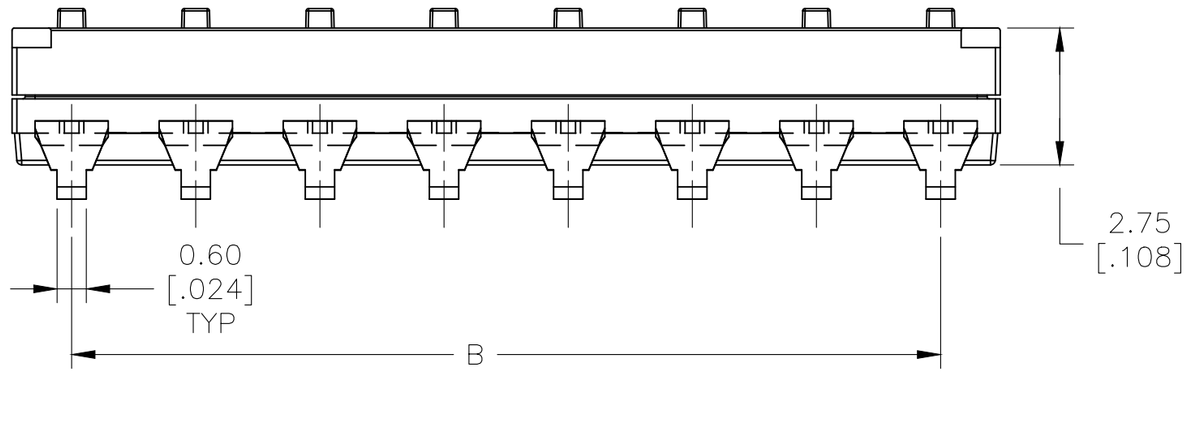


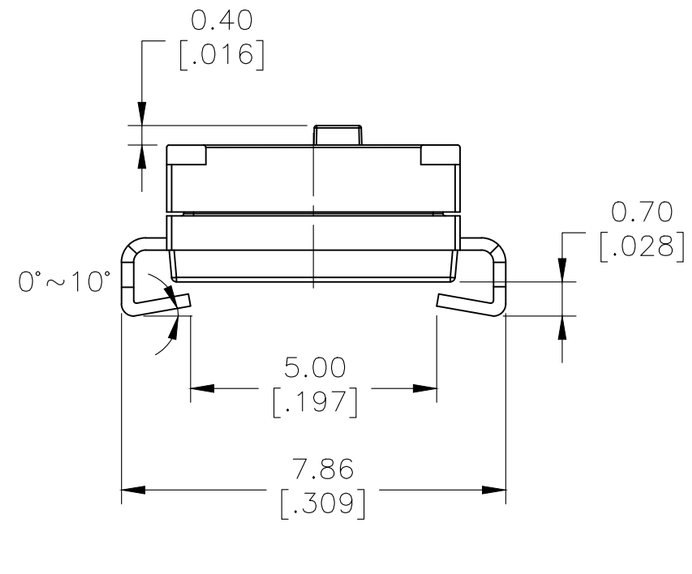
SCHEMATIC(TYP.)

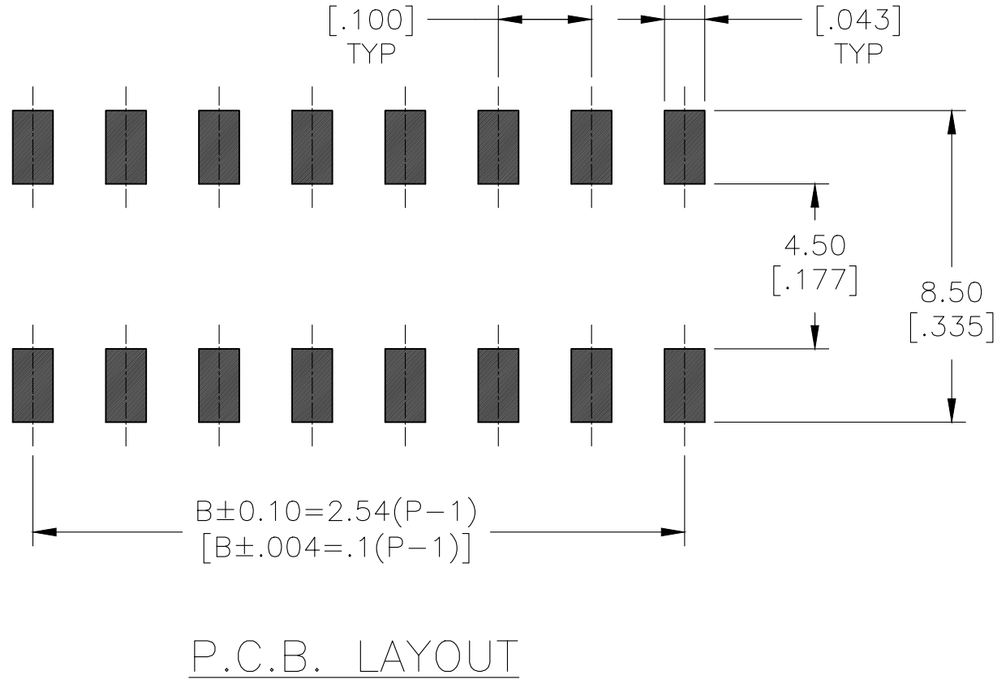


(2, 3, 4, 5, 6, 7, 8, 9,
10, 12 POS AVAIL)

CIRCUIT DIAGRAM







P.C.B. LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 29MAY2017 SHIVAKUMAR S S	TE Connectivity
DIMENSIONS: mm[INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± 0.20[.008] 3 PLC ± – 4 PLC ± – ANGLES ± –	CHK 12MAY2017 ALEXANDER SHARPE APVD 29MAY2017 ALEXANDER SHARPE PRODUCT SPEC – APPLICATION SPEC –	NAME END STACKABLE DIP SWITCHES RAISED ACTUATOR –
MATERIAL –	FINISH –	WEIGHT	SIZE A2 · CAGE CODE 00779 · DRAWING NO C-2319847 · RESTRICTED TO –
		CUSTOMER DRAWING	SCALE 1:1 · SHEET 2 OF 4 · REV A1

2319847
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NOTES	SERIES	DIM B	DIM A	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
3	M	27.94 [1.100]	30.38 [1.196]	12	EDS12SNNNTU04Q	2-2319847-1
		–	2.44 [.096]	01	EDS01SGNNTR04Q	2-2319847-2
		2.54 [.100]	4.98 [.196]	02	EDS02SGNNTR04Q	2-2319847-3
		5.08 [.200]	7.52 [.296]	03	EDS03SGNNTR04Q	2-2319847-4
		7.62 [.300]	10.06 [.396]	04	EDS04SGNNTR04Q	2-2319847-5
		10.16 [.400]	12.60 [.496]	05	EDS05SGNNTR04Q	2-2319847-6
		12.70 [.500]	15.14 [.596]	06	EDS06SGNNTR04Q	2-2319847-7
		15.24 [.600]	17.68 [.696]	07	EDS07SGNNTR04Q	2-2319847-8
		17.78 [.700]	20.22 [.796]	08	EDS08SGNNTR04Q	2-2319847-9
		20.32 [.800]	22.76 [.896]	09	EDS09SGNNTR04Q	3-2319847-0
		22.86 [.900]	25.3 [.996]	10	EDS10SGNNTR04Q	3-2319847-1
	J	27.94 [1.100]	30.38 [1.196]	12	EDS12SGNNTR04Q	3-2319847-2
		2.54 [.100]	4.98 [.196]	02	EDS02SNNNTR04Q	3-2319847-3
		5.08 [.200]	7.52 [.296]	03	EDS03SNNNTR04Q	3-2319847-4
		7.62 [.300]	10.06 [.396]	04	EDS04SNNNTR04Q	3-2319847-5
		10.16 [.400]	12.60 [.496]	05	EDS05SNNNTR04Q	3-2319847-6
		12.70 [.500]	15.14 [.596]	06	EDS06SNNNTR04Q	3-2319847-7
		15.24 [.600]	17.68 [.696]	07	EDS07SNNNTR04Q	3-2319847-8
		17.78 [.700]	20.22 [.796]	08	EDS08SNNNTR04Q	3-2319847-9
		20.32 [.800]	22.76 [.896]	09	EDS09SNNNTR04Q	4-2319847-0
		22.86 [.900]	25.3 [.996]	10	EDS10SNNNTR04Q	4-2319847-1
		27.94 [1.100]	30.38 [1.196]	12	EDS12SNNNTR04Q	4-2319847-2

NOTES	SERIES	DIM B	DIM A	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
2	M	–	2.44 [.096]	01	EDS01SGNNTU04Q	2319847-1
		2.54 [.100]	4.98 [.196]	02	EDS02SGNNTU04Q	2319847-2
		5.08 [.200]	7.52 [.296]	03	EDS03SGNNTU04Q	2319847-3
		7.62 [.300]	10.06 [.396]	04	EDS04SGNNTU04Q	2319847-4
		10.16 [.400]	12.60 [.496]	05	EDS05SGNNTU04Q	2319847-5
		12.70 [.500]	15.14 [.596]	06	EDS06SGNNTU04Q	2319847-6
		15.24 [.600]	17.68 [.696]	07	EDS07SGNNTU04Q	2319847-7
		17.78 [.700]	20.22 [.796]	08	EDS08SGNNTU04Q	2319847-8
		20.32 [.800]	22.76 [.896]	09	EDS09SGNNTU04Q	2319847-9
		22.86 [.900]	25.3 [.996]	10	EDS10SGNNTU04Q	1-2319847-0
		27.94 [1.100]	30.38 [1.196]	12	EDS12SGNNTU04Q	1-2319847-1
	J	2.54 [.100]	4.98 [.196]	02	EDS02SNNNTU04Q	1-2319847-2
		5.08 [.200]	7.52 [.296]	03	EDS03SNNNTU04Q	1-2319847-3
		7.62 [.300]	10.06 [.396]	04	EDS04SNNNTU04Q	1-2319847-4
		10.16 [.400]	12.60 [.496]	05	EDS05SNNNTU04Q	1-2319847-5
		12.70 [.500]	15.14 [.596]	06	EDS06SNNNTU04Q	1-2319847-6
		15.24 [.600]	17.68 [.696]	07	EDS07SNNNTU04Q	1-2319847-7
		17.78 [.700]	20.22 [.796]	08	EDS08SNNNTU04Q	1-2319847-8
		20.32 [.800]	22.76 [.896]	09	EDS09SNNNTU04Q	1-2319847-9
		22.86 [.900]	25.3 [.996]	10	EDS10SNNNTU04Q	2-2319847-0

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DWN SHIVAKUMAR S S 29MAY2017
CHK ALEXANDER SHARPE 12MAY2017
APVD ALEXANDER SHARPE 29MAY2017

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.20[.008]
3 PLC ± –
4 PLC ± –
ANGLES ± –

DIMENSIONS: mm[INCHES]

MATERIAL –
FINISH –

PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

NAME END STACKABLE DIP SWITCHES RAISED ACTUATOR

SIZE A2 | CAGE CODE 00779 | DRAWING NO C-2319847

SCALE 1:1 | SHEET 3 OF 4 | REV A1

CUSTOMER DRAWING

TE Connectivity

RESTRICTED TO —

REVISIONS

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

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2319847 B

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

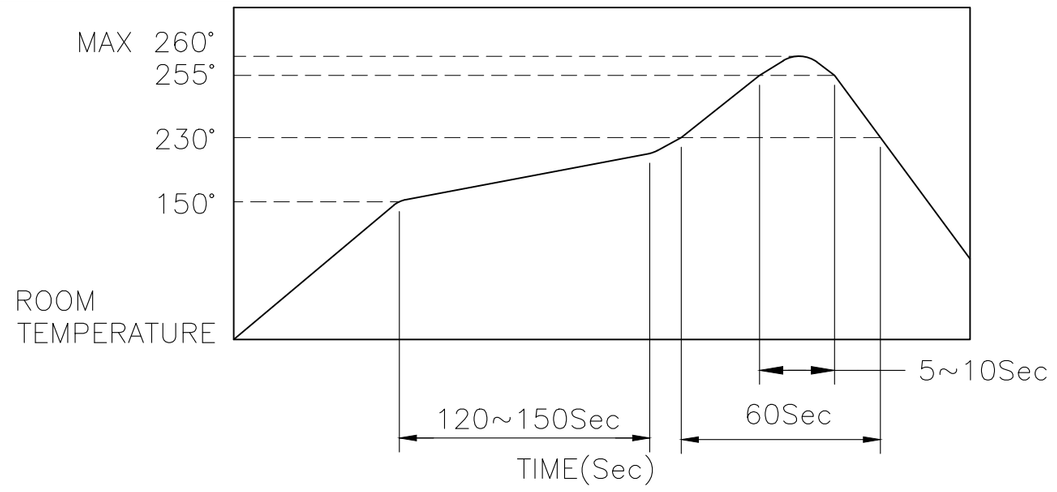
SOLDERING CONDITIONS:

THE CONDITIONS MENTIONED BELOW IS THE TEMPERATURE ON THE CU FOIL OF THE P.C.B SURFACE. DO NOT ALLOW THE SWITCH'S SURFACE TEMPERATURE TO EXCEED 260°C.

MANUAL SOLDERING

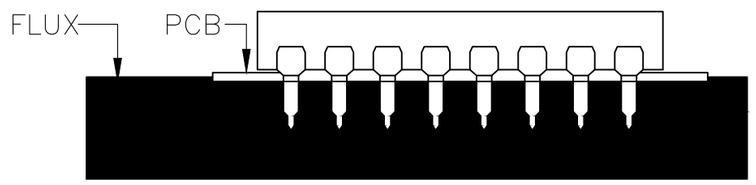
SOLDERING TEMPERATURE	MAX. 350°C.
CONTINUOUS SOLDERING TIME	MAX. 5 SECONDS.

REFLOW SOLDERING



HANDLING PRECAUTIONS

1. CARE SHOULD BE EXERCISED SO THAT FLUX FROM THE UPPER PART OF THE PRINTED CIRCUIT BOARD DOES NOT ADHERE TO THE SWITCH.
2. DON'T CLEAN THE SWITCH BODY EXCEPT WITH TOP TAPE SEALED TYPE, WHICH CAN ONLY SPRAY OF CLEANING METHOD FROM TOP OF S/W.
3. ENSURE FLUX DOES NOT RISE ABOVE THE TOP SURFACE OF THE PCB.



SPECIFICATIONS:

MATERIALS:
BASE: PA (HIGH–TEMP. NYLON) UL94V–O
COVER: PA (HIGH–TEMP. NYLON) UL94V–O
ACTUATOR: LCP UL94V–O
CONTACT: COPPER ALLOY, GOLD (in contact area) OVER NICKEL PLATE
TERMINAL: BRASS ALLOY, GOLD PLATE
TAPE:POLYAMIDE.

ELECTRICAL:
CONTACT RATING: NON–SWITCHING 100mA @ 50 VDC.
SWITCHING: 25mA @ 24 VDC.
INITIAL CONTACT RESISTANCE: 100mΩ MAX. @ 2 VDC. 10mA.
INSULATION RESISTANCE: 100 MEGOHMS MIN. @ 500 VDC, 1 MINUTE +/– 5 SECONDS.
DIELECTRIC STRENGTH: 500 VAC (50 OR 60 HZ), 1 MINUTE.
DURABILITY: 2,000 CYCLES.
CAPACITANCE: 5 pF MAX @ 1 MHz +/– 10 KHz.

MECHANICAL:
OPERATING FORCE: 1000gf MAX.

ENVIRONMENTAL:
OPERATING TEMPERATURE: –20°C TO +85°C.
STORAGE TEMPERATURE: –40°C TO +85°C.
SOLDER HEAT RESISTANCE PER 109–201, CONDITION B.
SOLDERABILITY PER JIS C 0050 & JIS C 0053.

NOTES:
1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27 JAN 2003 (ROHS).

△2 TUBE PACKAGING.

△3 TAPE AND REEL PACKAGING.

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DIMENSIONS: mm[INCHES]

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0 PLC ± –
1 PLC ± –
2 PLC ± 0.20[.008]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN 29MAY2017 SHIVAKUMAR S S
CHK 12MAY2017 ALEXANDER SHARPE
APVD 29MAY2017 ALEXANDER SHARPE
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

TE Connectivity

NAME
END STACKABLE DIP SWITCHES
RAISED ACTUATOR
—

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2319847	—

CUSTOMER DRAWING | SCALE 1:1 | SHEET 4 OF 4 | REV A1

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