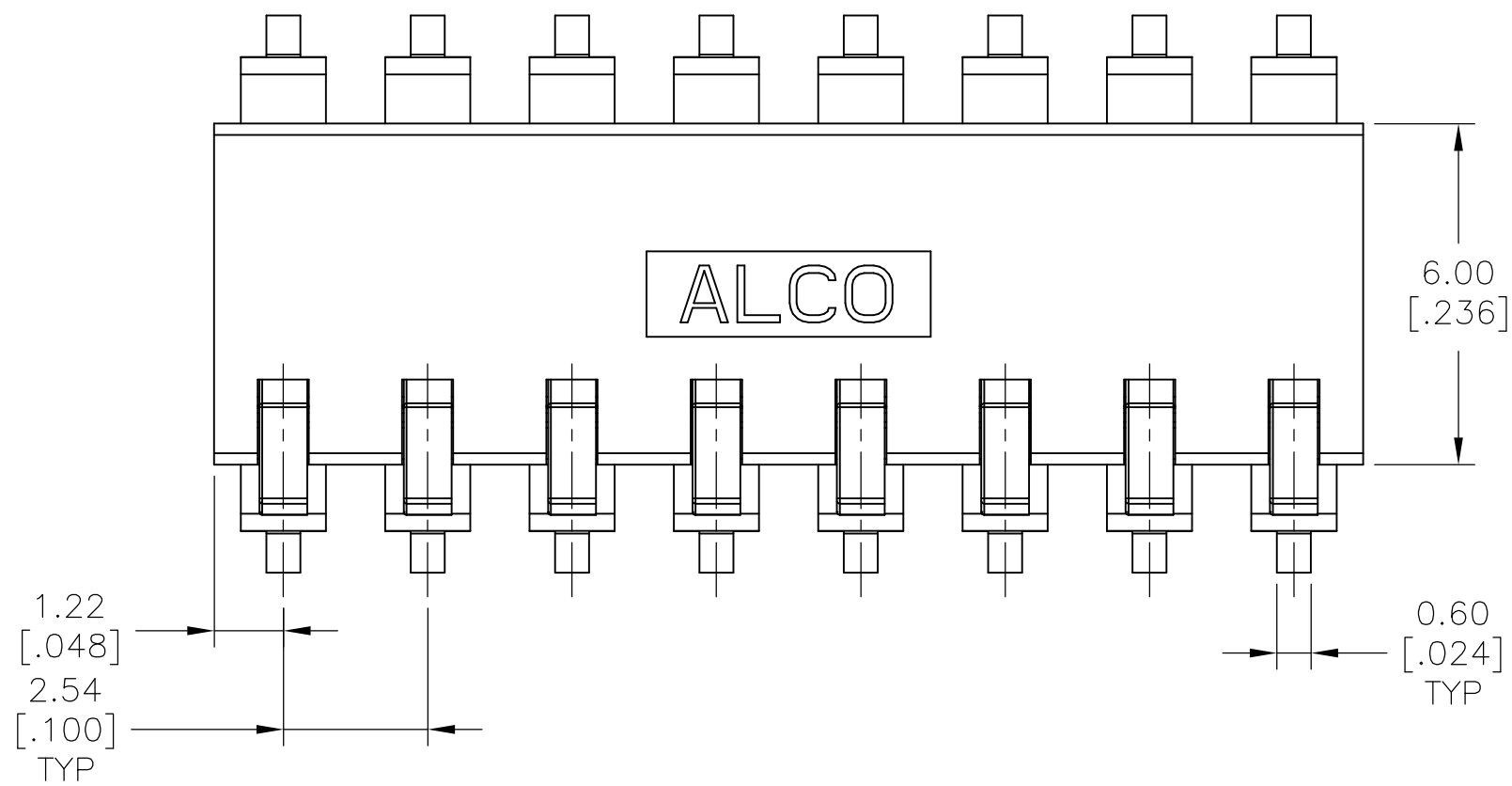
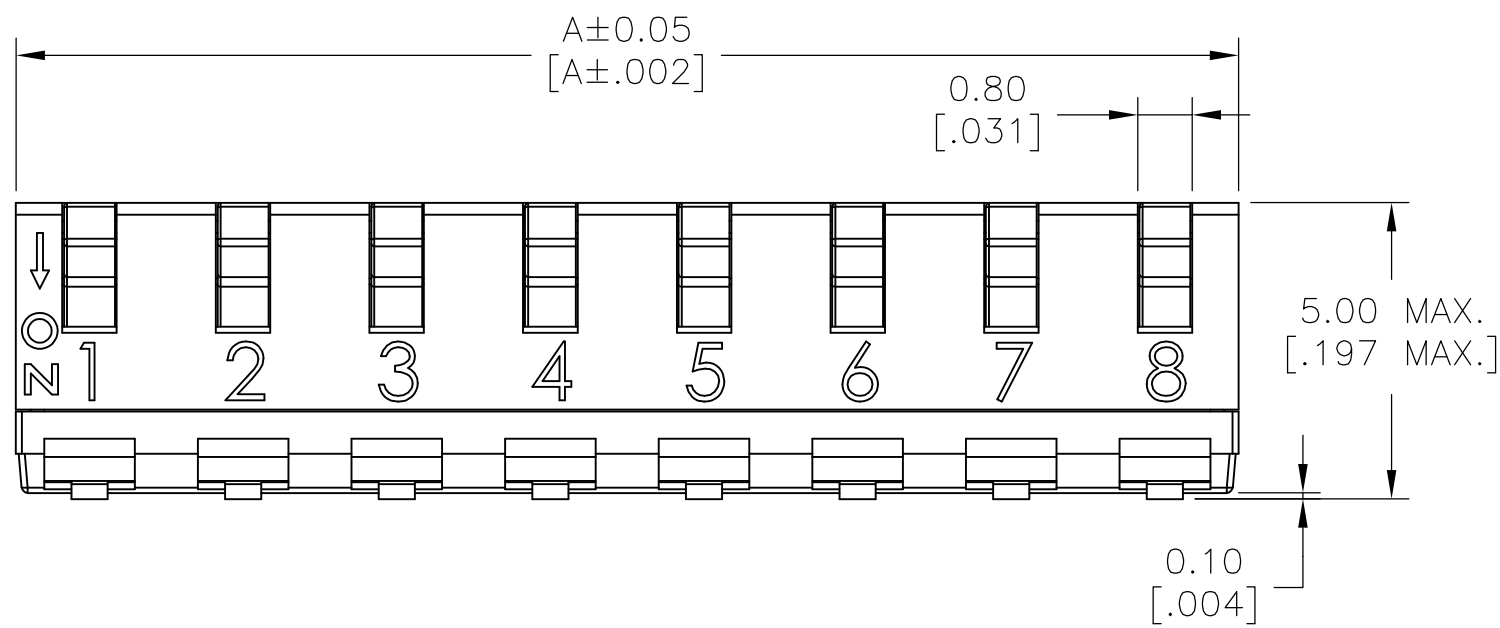


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29MAY2017	SK	AS

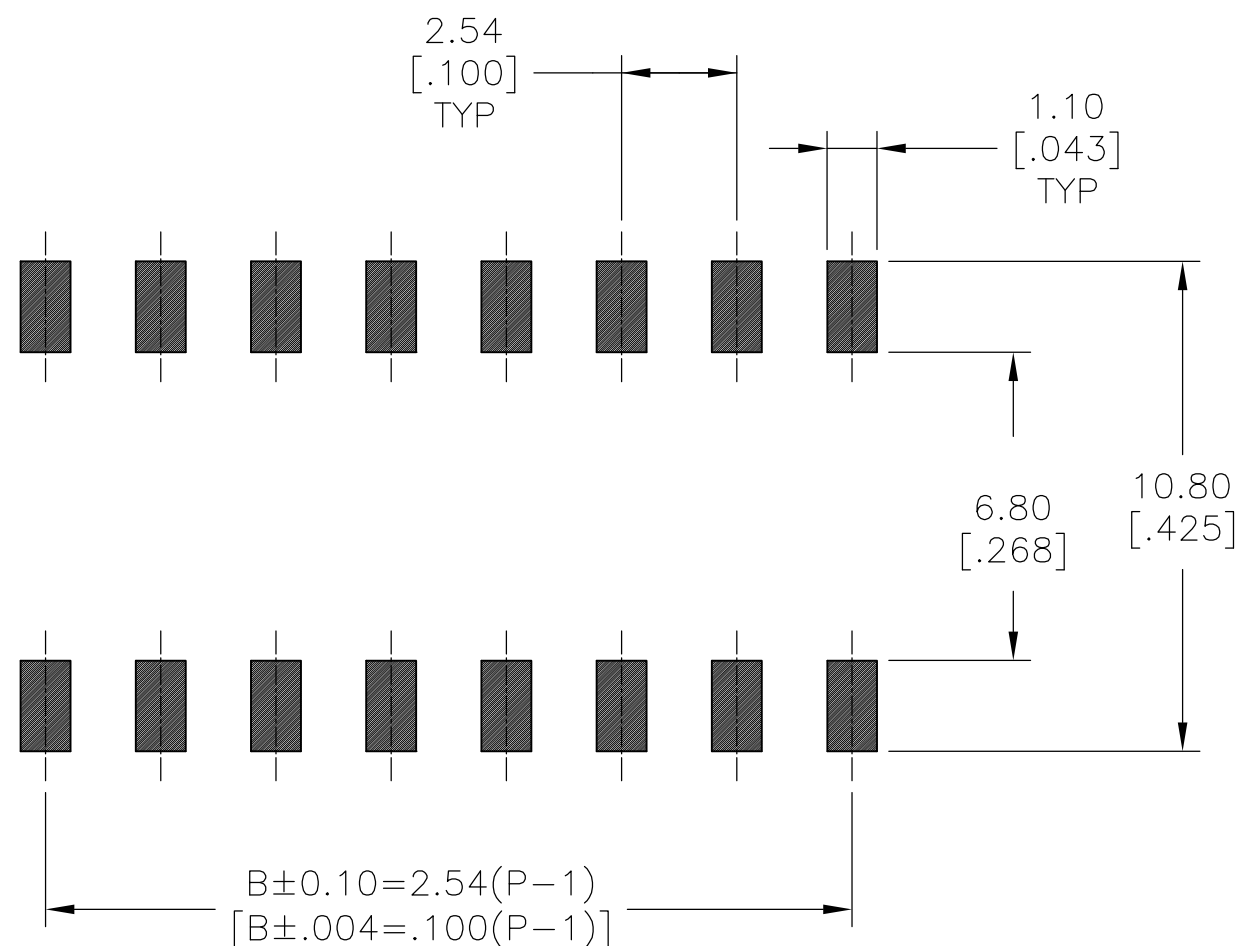
D



C



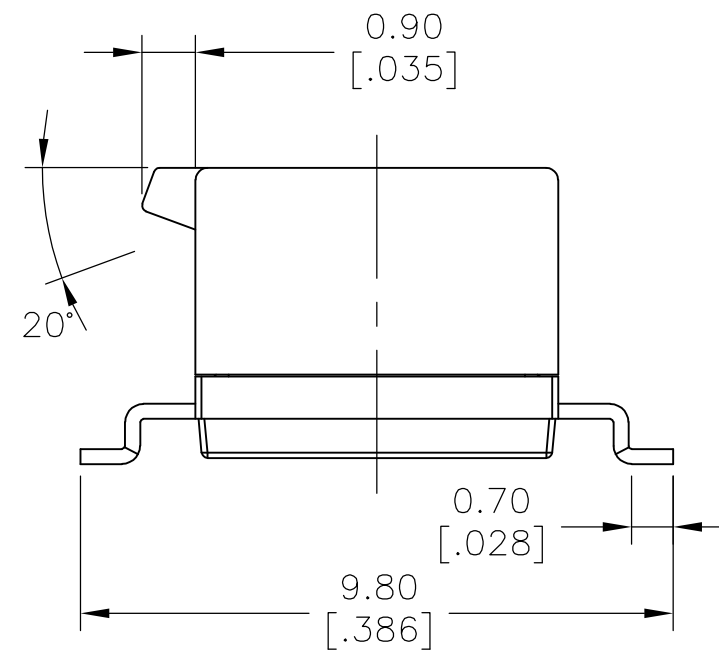
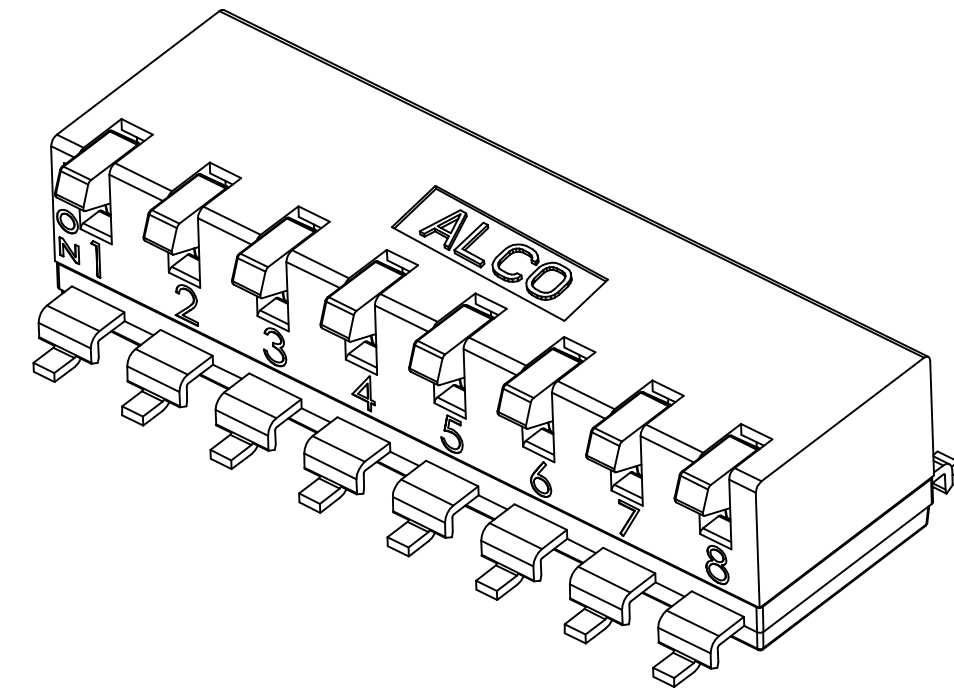
B



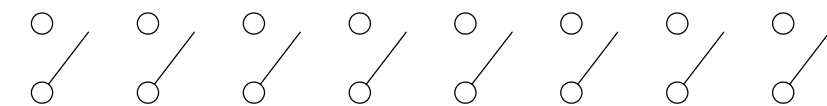
A

P.C.B. LAYOUT

LONG ACTUATOR
PUSH DOWN ON



SCHEMATIC(TYP.)



(2, 4, 6, 8, 10 POS AVAIL)

CIRCUIT DIAGRAM

EDSP SG 04

POSITIONS:
02,04,06,08,10

SMT:GULL WING

ACTUATOR:
L=LONG
R=SHORT

ROHS COMPLIANT

PACKAGING:
TU=TUBE
TR=TAPE AND REEL

SEAL:
N=NONE
S=TOP SEAL

ACTUATION:
N=PUSH DOWN ON
F=PUSH UP ON

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHIVAKUMAR S S	12MAY2017	TE Connectivity	
DIMENSIONS: mm[INCHES]		CHK ALEXANDER SHARPE	12MAY2017		
		APVD ALEXANDER SHARPE	12MAY2017	NAME PIANO DIP SWITCH END STACKABLE	
		PRODUCT SPEC		SIZE A2	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		CAGE CODE 00779	
MATERIAL		WEIGHT		DRAWING NO C=2319764	
FINISH		CUSTOMER DRAWING		RESTRICTED TO	
		SCALE 1:1		SHEET 1 OF 4	
				REV A	

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

D

C

B

A

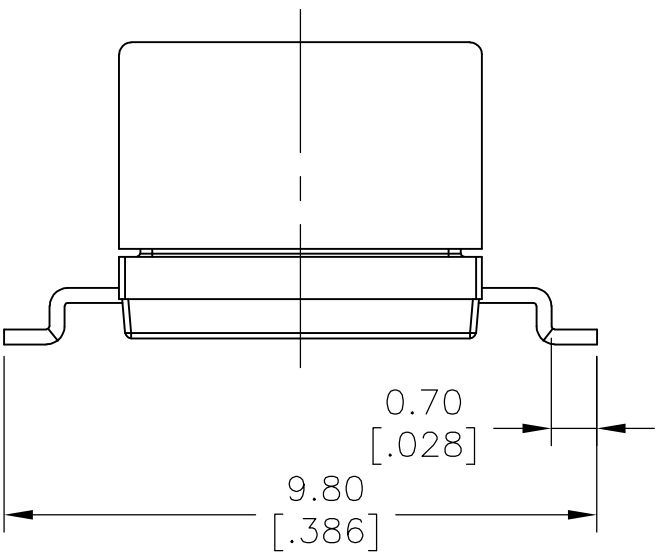
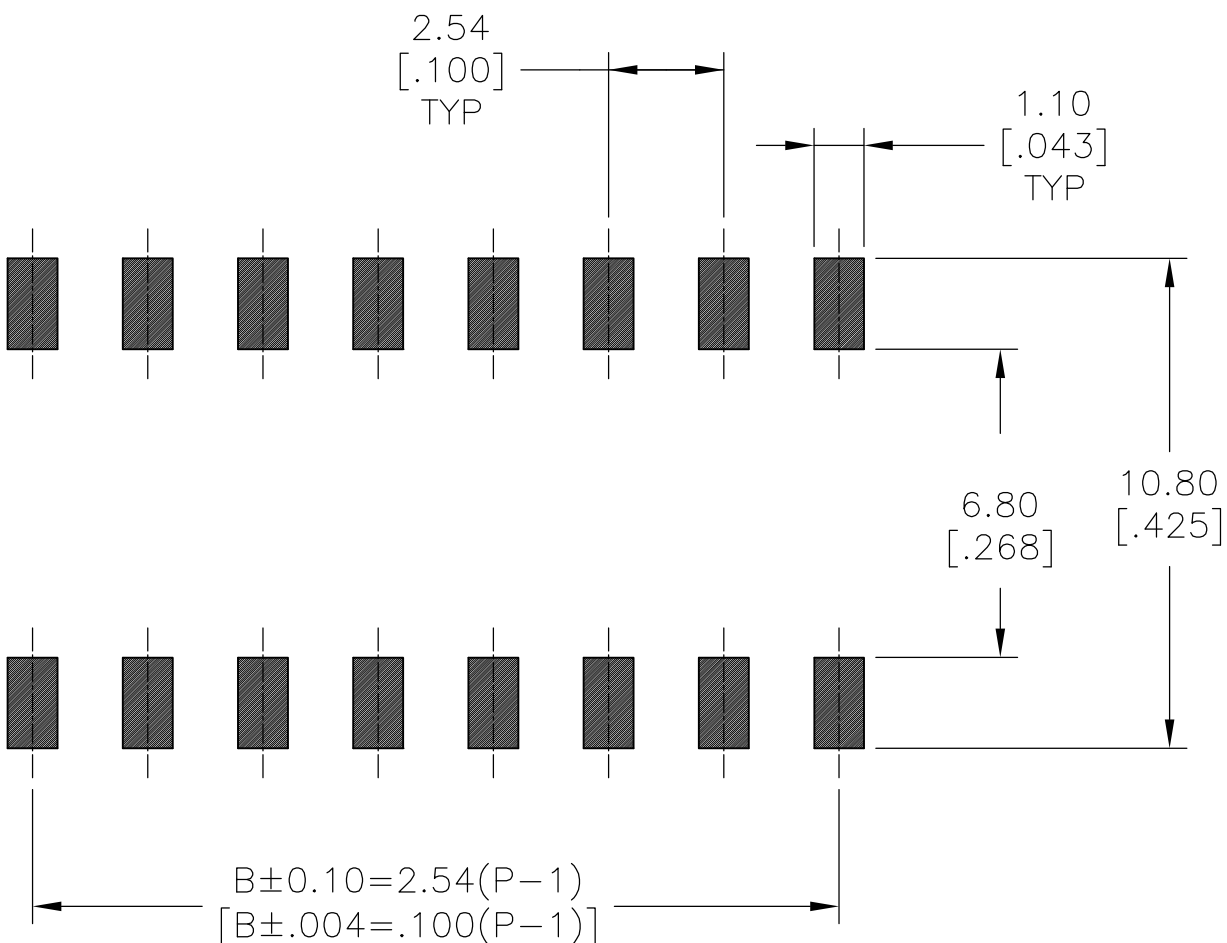
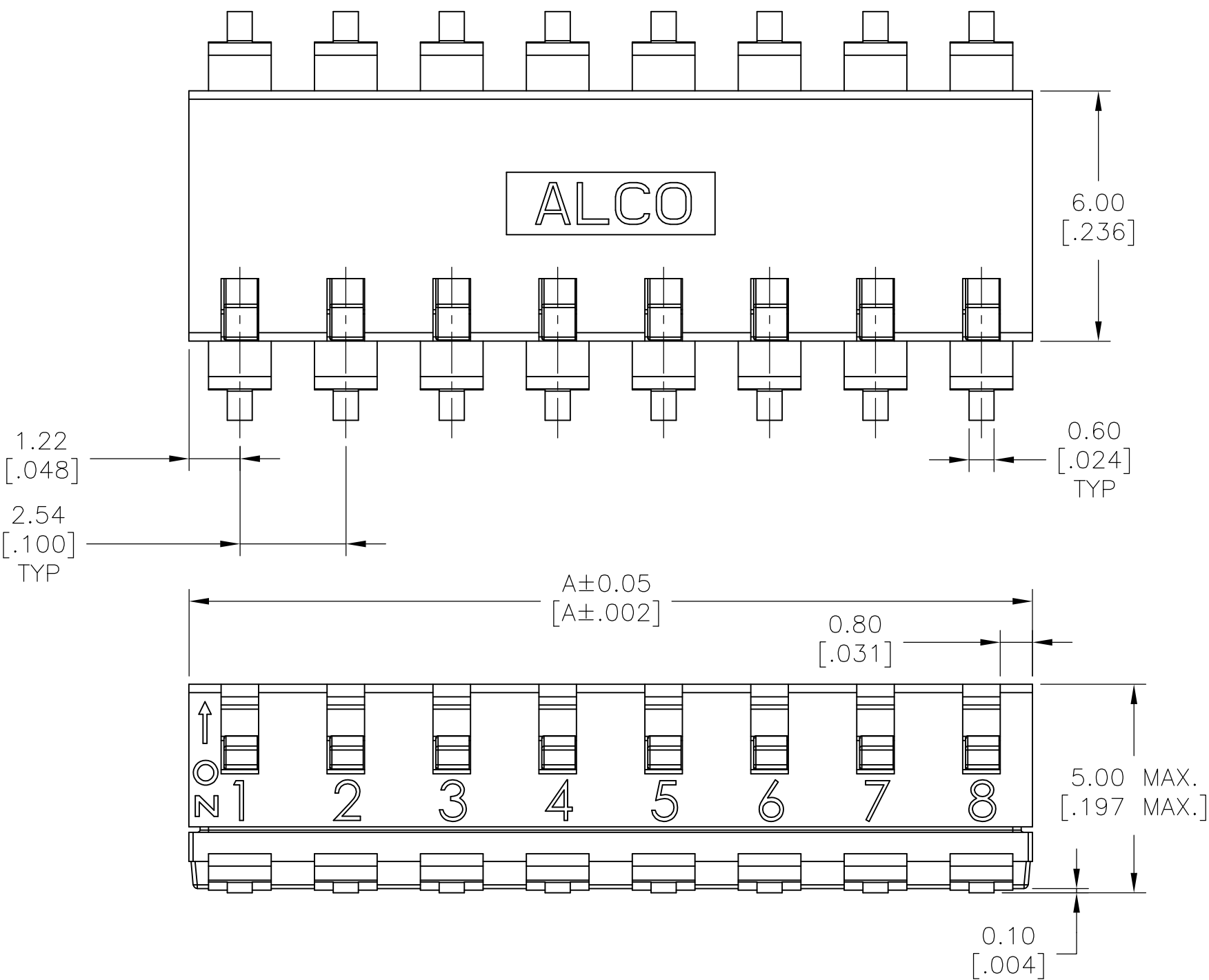
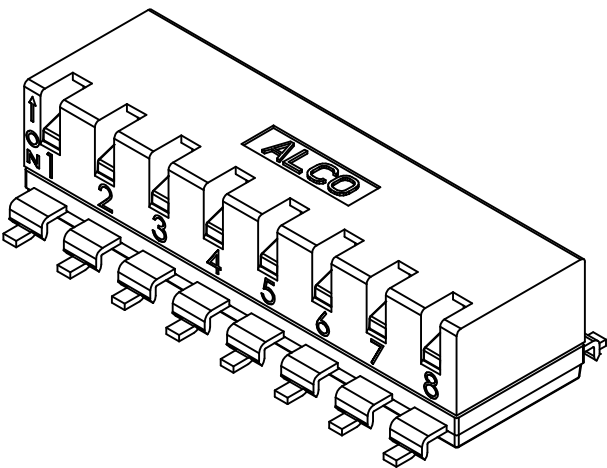
D

C

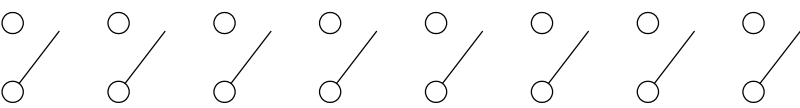
B

A

SHORT ACTUATOR
PUSH UP ON

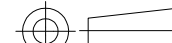


SCHEMATIC(TYP.)



(2, 4, 6, 8, 10 POS AVAIL)

CIRCUIT DIAGRAM

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 12MAY2017 SHIVAKUMAR S S		 TE Connectivity							
DIMENSIONS: mm[INCHES]		CHK 12MAY2017 ALEXANDER SHARPE									
		APVD 12MAY2017 ALEXANDER SHARPE		NAME PIANO DIP SWITCH END STACKABLE — —							
		PRODUCT SPEC —									
		APPLICATION SPEC —									
		WEIGHT —									
TOLERANCES UNLESS OTHERWISE SPECIFIED:		0 PLC ± — 1 PLC ± — 2 PLC ± 0.20[.008] 3 PLC ± — 4 PLC ± — ANGLES ± —		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO	
MATERIAL —		FINISH —		A2		00779		C=2319764		—	
CUSTOMER DRAWING				SCALE		1:1		SHEET		2 of 4	
										REV A	

4				3				2				1											
THIS DRAWING IS UNPUBLISHED.				RELEASED FOR PUBLICATION								REVISIONS											
© COPYRIGHT - TE Connectivity				ALL RIGHTS RESERVED.								P	LTR	DESCRIPTION		DATE	DWN	APVD					
													-	SEE SHEET 1		-	-	-					
YES	SHORT	DOWN ON	3	7.62 [.300]	10.06 [.396]	04	EDSP04SGRNSTR04	5-2319764-2	YES	SHORT	UP ON	2	2.54 [.100]	4.98 [.196]	02	EDSP02SGRFSTU04	2-2319764-6						
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRNSTR04	5-2319764-1					22.86 [.900]	25.30 [.996]	10	EDSP10SGRNSTU04	2-2319764-5						
22.86 [.900]				25.30 [.996]	10	EDSP10SGRFNTR04	5-2319764-0	17.78 [.700]					20.22 [.796]	08	EDSP08SGRNSTU04	2-2319764-4							
17.78 [.700]				20.22 [.796]	08	EDSP08SGRFNTR04	4-2319764-9	12.70 [.500]					15.14 [.596]	06	EDSP06SGRNSTU04	2-2319764-3							
12.70 [.500]				15.14 [.596]	06	EDSP06SGRFNTR04	4-2319764-8	7.62 [.300]					10.06 [.396]	04	EDSP04SGRNSTU04	2-2319764-2							
7.62 [.300]				10.06 [.396]	04	EDSP04SGRFNTR04	4-2319764-7	2.54 [.100]					4.98 [.196]	02	EDSP02SGRNSTU04	2-2319764-1							
2.54 [.100]				4.98 [.196]	02	EDSP02SGRFNTR04	4-2319764-6	22.86 [.900]					25.30 [.996]	10	EDSP10SGRFNTU04	2-2319764-0							
LONG	UP ON	22.86 [.900]		25.30 [.996]	10	EDSP10SGLFNTR04	4-2319764-5	NO	LONG	UP ON	17.78 [.700]		20.22 [.796]	08	EDSP08SGRFNTU04	1-2319764-9							
		17.78 [.700]		20.22 [.796]	08	EDSP08SGLFNTR04	4-2319764-4				12.70 [.500]		15.14 [.596]	06	EDSP06SGRFNTU04	1-2319764-8							
		12.70 [.500]		15.14 [.596]	06	EDSP06SGLFNTR04	4-2319764-3				7.62 [.300]		10.06 [.396]	04	EDSP04SGRFNTU04	1-2319764-7							
		7.62 [.300]		10.06 [.396]	04	EDSP04SGLFNTR04	4-2319764-2				2.54 [.100]		4.98 [.196]	02	EDSP02SGRFNTU04	1-2319764-6							
		2.54 [.100]		4.98 [.196]	02	EDSP02SGLFNTR04	4-2319764-1				22.86 [.900]		25.30 [.996]	10	EDSP10SGLFNTU04	1-2319764-5							
		22.86 [.900]		25.30 [.996]	10	EDSP10SGRNNTRO4	4-2319764-0				17.78 [.700]		20.22 [.796]	08	EDSP08SGLFNTU04	1-2319764-4							
		17.78 [.700]		20.22 [.796]	08	EDSP08SGRNNTRO4	3-2319764-9				12.70 [.500]		15.14 [.596]	06	EDSP06SGLFNTU04	1-2319764-3							
SHORT	DOWN ON	12.70 [.500]		15.14 [.596]	06	EDSP06SGRNNTRO4	3-2319764-8	NO	LONG	DOWN ON	7.62 [.300]		10.06 [.396]	04	EDSP04SGLFNTU04	1-2319764-2							
		7.62 [.300]		10.06 [.396]	04	EDSP04SGRNNTRO4	3-2319764-7				2.54 [.100]		4.98 [.196]	02	EDSP02SGLFNTU04	1-2319764-1							
		2.54 [.100]		4.98 [.196]	02	EDSP02SGRNNTRO4	3-2319764-6				22.86 [.900]		25.30 [.996]	10	EDSP10SGRNNTU04	1-2319764-0							
		22.86 [.900]		25.30 [.996]	10	EDSP10SGLNNTR04	3-2319764-5				17.78 [.700]		20.22 [.796]	08	EDSP08SGRNNTU04	2319764-9							
		17.78 [.700]		20.22 [.796]	08	EDSP08SGLNNTR04	3-2319764-4				12.70 [.500]		15.14 [.596]	06	EDSP06SGRNNTU04	2319764-8							
		12.70 [.500]		15.14 [.596]	06	EDSP06SGLNNTR04	3-2319764-3				7.62 [.300]		10.06 [.396]	04	EDSP04SGRNNTU04	2319764-7							
		7.62 [.300]		10.06 [.396]	04	EDSP04SGLNNTR04	3-2319764-2				2.54 [.100]		4.98 [.196]	02	EDSP02SGRNNTU04	2319764-6							
LONG	DOWN ON	2.54 [.100]		4.98 [.196]	02	EDSP02SGLNNTR04	3-2319764-1	NO	SHORT	DOWN ON	22.86 [.900]		25.30 [.996]	10	EDSP10SGLNNTU04	2319764-5							
		22.86 [.900]		25.30 [.996]	10	EDSP10SGRFSTU04	3-2319764-0				17.78 [.700]		20.22 [.796]	08	EDSP08SGLNNTU04	2319764-4							
		17.78 [.700]	20.22 [.796]	08	EDSP08SGRFSTU04	2-2319764-9	12.70 [.500]				15.14 [.596]	06	EDSP06SGLNNTU04	2319764-3									
		12.70 [.500]	15.14 [.596]	06	EDSP06SGRFSTU04	2-2319764-8	7.62 [.300]				10.06 [.396]	04	EDSP04SGLNNTU04	2319764-2									
		7.62 [.300]	10.06 [.396]	04	EDSP04SGRFSTU04	2-2319764-7	2.54 [.100]				4.98 [.196]	02	EDSP02SGLNNTU04	2319764-1									
						No OF POSITION					TE DESCRIPTIVE PART NUMBER				TE PART NUMBER								
		TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B	A																
				DIM																			
YES	SHORT	UP ON	2	22.86 [.900]	25.30 [.996]	10	EDSP10SGRFSTU04	3-2319764-0	NO	LONG	DOWN ON	2	2.54 [.100]	4.98 [.196]	02	EDSP02SGRNNTU04	2319764-6						
				22.86 [.900]	25.30 [.996]	10	EDSP10SGLNNTU04	2319764-5					17.78 [.700]	20.22 [.796]	08	EDSP08SGRNNTU04	2319764-9						
				17.78 [.700]	20.22 [.796]	08	EDSP08SGLNNTU04	2319764-8					12.70 [.500]	15.14 [.596]	06	EDSP06SGLNNTU04	2319764-7						
				12.70 [.500]	15.14 [.596]	06	EDSP06SGLNNTU04	2319764-3					7.62 [.300]	10.06 [.396]	04	EDSP04SGLNNTU04	2319764-2						
	7.62 [.300]	10.06 [.396]		04	EDSP04SGRFSTU04	2-2319764-7	2.54 [.100]	4.98 [.196]		02	EDSP02SGLNNTU04		2319764-1										
					No OF POSITION					TE DESCRIPTIVE PART NUMBER				TE PART NUMBER									
	TAPE	ACTUATOR TYPE		ACTUATION PUSH	NOTE	B	A																
					DIM																		
	THIS DRAWING IS A CONTROLLED DOCUMENT.												DWN 12MAY2017 SHIVAKUMAR S S		TE Connectivity								
	DIMENSIONS: mm[INCHES]			TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK 12MAY2017 ALEXANDER SHARPE		APVD 12MAY2017 ALEXANDER SHARPE		PRODUCT SPEC													
		0 PLC ± -		1 PLC ± -		2 PLC ± 0.20[.008]		3 PLC ± -		4 PLC ± -		APPLICATION SPEC		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
		MATERIAL		FINISH		WEIGHT		A2		00779		C=2319764											
CUSTOMER DRAWING												SCALE 1:1		SHEET 3 OF 4		REV A							

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

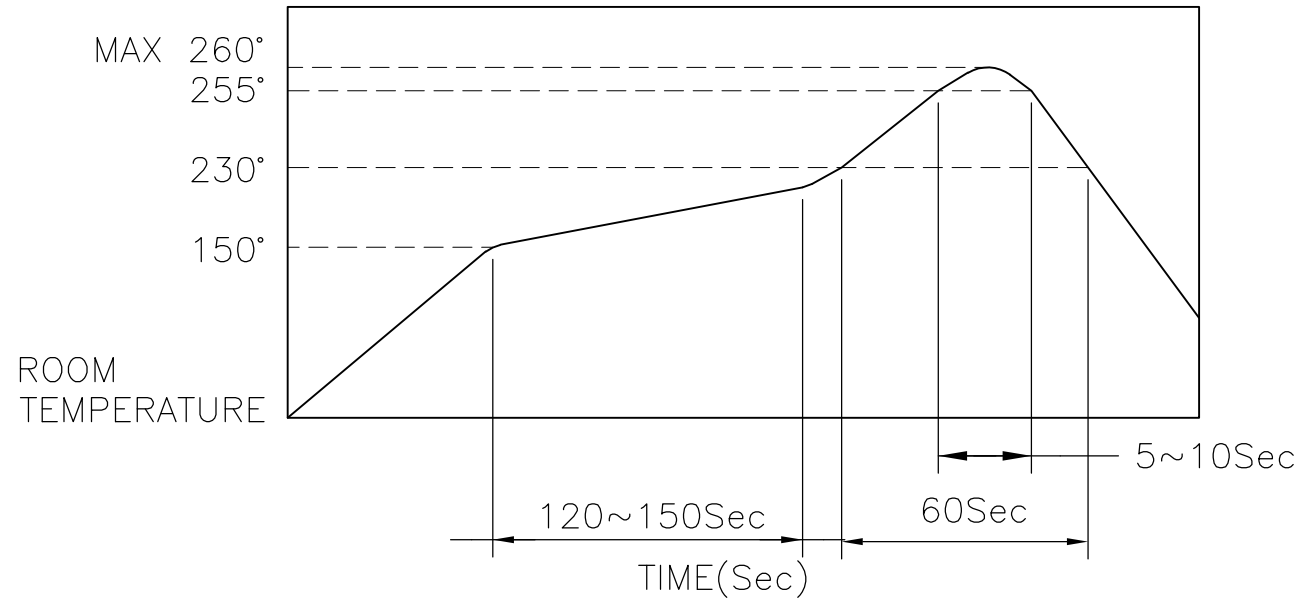
SOLDERING CONDITIONS:

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

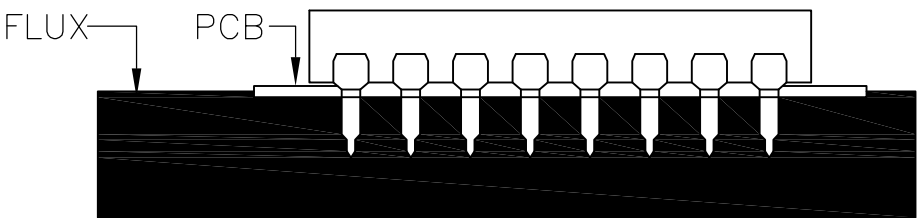
SOLDERING TEMPERATURE	MAX. 350°C.
CONTINUOUS SOLDERING TIME	MAX. 5 SECONDS.

REFLOW SOLDERING



HANDLING PRECAUTIONS

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



SPECIFICATIONS:

MATERIALS:

BASE: PA (HIGH-TEMP. NYLON) UL94V-0
COVER: PA (HIGH-TEMP. NYLON) UL94V-0
ACTUATOR: LCP UL94V-0
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: 100 VAC (50 OR 60 HZ), 1 MINUTE.
DURABILITY: 2,000 CYCLES.
CAPACITANCE: 5 pF MAX @ 1 MHz +/- 10 KHz.

MECHANICAL:

OPERATING FORCE: 800gf 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:

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



TUBE PACKAGING.



TAPE AND REEL PACKAGING.

YES	SHORT	UP ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRFSTR04	6-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRFSTR04	5-2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRFSTR04	5-2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRFSTR04	5-2319764-7
	DOWN ON			2.54 [.100]	4.98 [.196]	02	EDSP02SGRFSTR04	5-2319764-6
				22.86 [.900]	25.30 [.996]	10	EDSP10SGRNSTR04	5-2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRNSTR04	5-2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRNSTR04	5-2319764-3
TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B	A	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
				DIM				
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN 12MAY2017 SHIVAKUMAR S S		TE Connectivity		
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK 12MAY2017 ALEXANDER SHARPE				
		0 PLC ± - 1 PLC ± - 2 PLC ± 0.20[.008] 3 PLC ± - 4 PLC ± - ANGLES ± ± -		APVD 12MAY2017 ALEXANDER SHARPE		NAME PIANO DIP SWITCH END STACKABLE		
				PRODUCT SPEC —				
MATERIAL —		FINISH —		APPLICATION SPEC —		SIZE A2		
				WEIGHT				
CUSTOMER DRAWING				00779		DRAWING NO C-2319764		RESTRICTED TO —
SCALE 1:1						SHEET 4 of 4		REV A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[5-2319764-4](#)