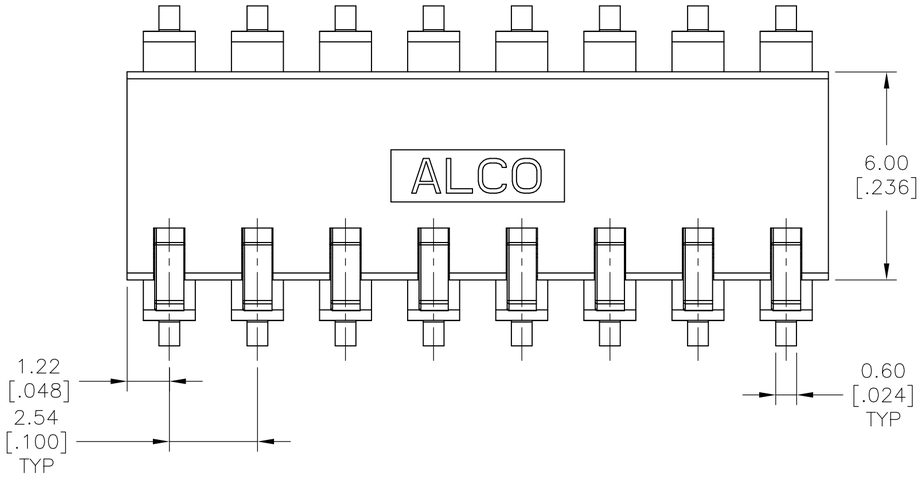
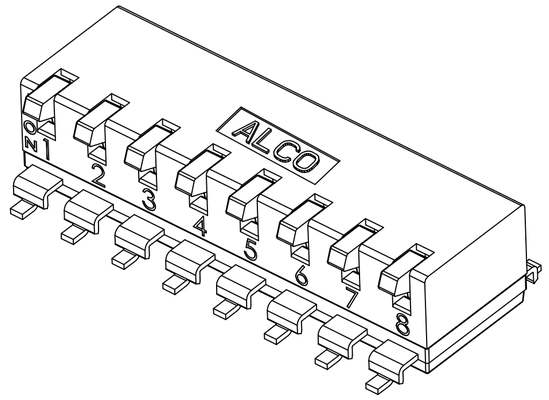
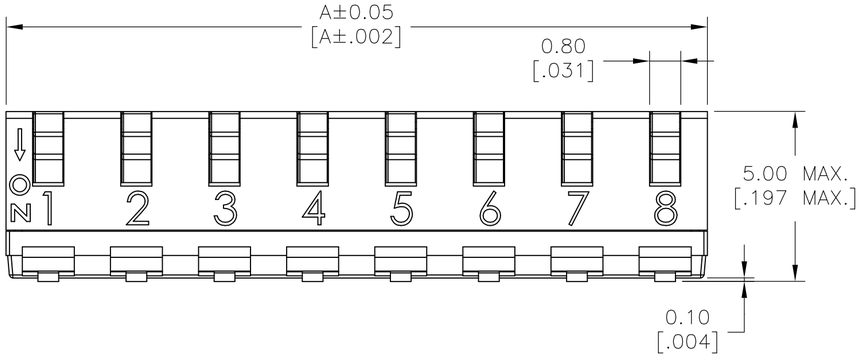
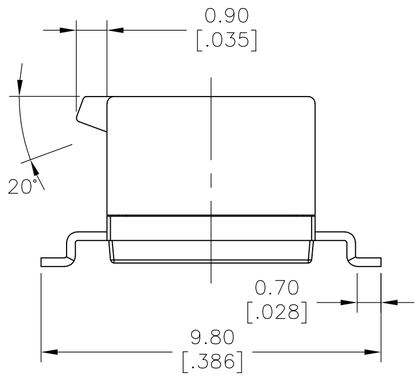
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29MAY2017	SK	AS

LONG ACTUATOR
PUSH DOWN ON

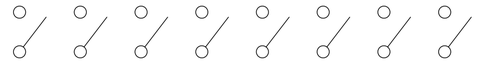






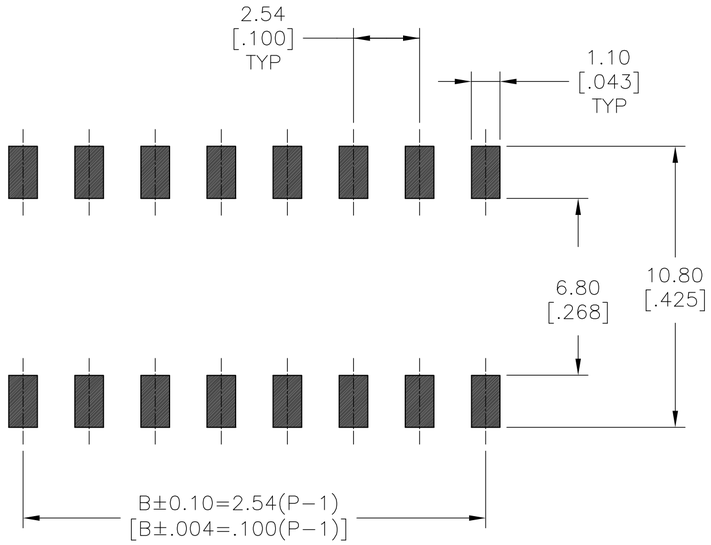


SCHEMATIC(TYP.)



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

CIRCUIT DIAGRAM



P.C.B. LAYOUT

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

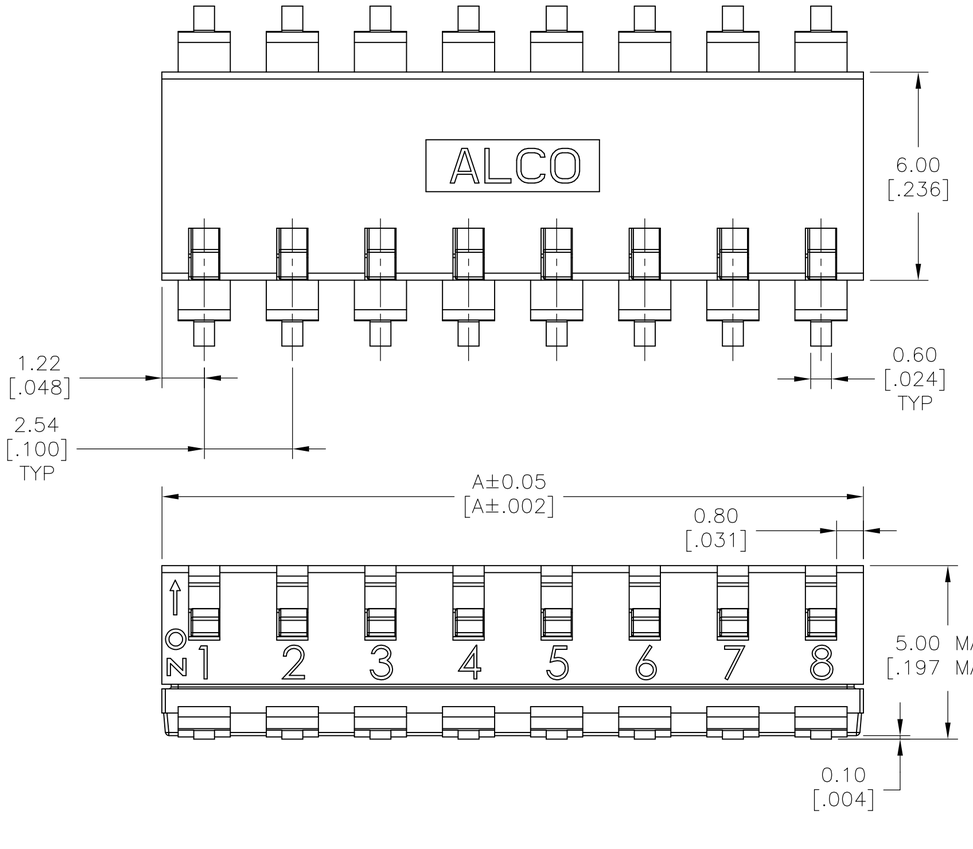
ACTUATION:
N=PUSH DOWN ON
F=PUSH UP ON

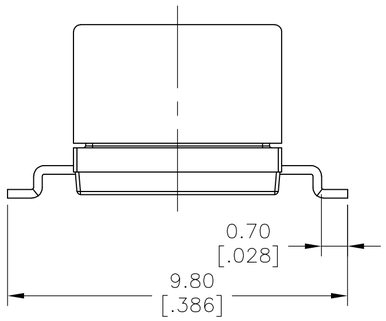
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 12MAY2017 SHIVAKUMAR S S	TE Connectivity
DIMENSIONS: mm[INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.20[.008] ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	CHK 12MAY2017 ALEXANDER SHARPE	NAME PIANO DIP SWITCH END STACKABLE – –
		APVD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

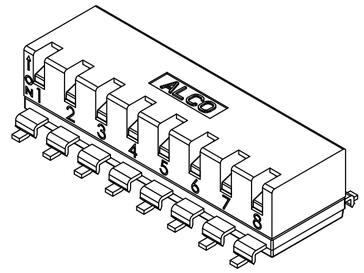
2319764

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

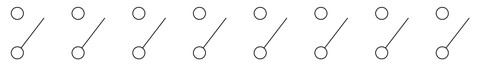
SHORT ACTUATOR
PUSH UP ON





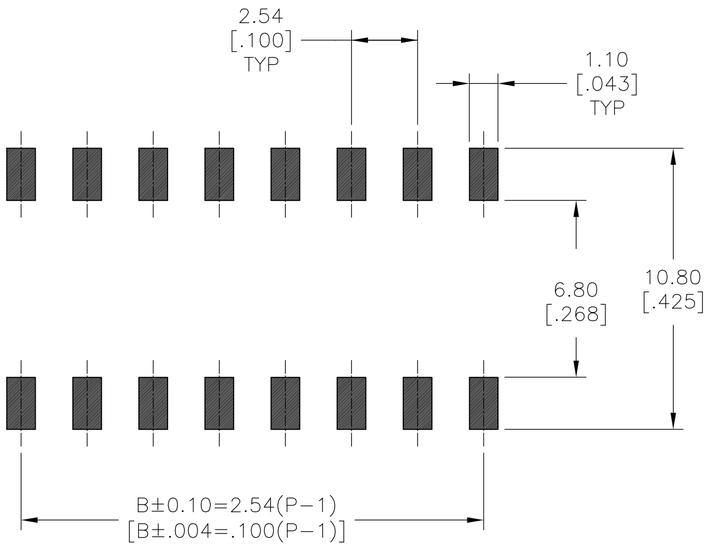


SCHEMATIC(TYP.)



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

CIRCUIT DIAGRAM



P.C.B. LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 12MAY2017 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	NAME PIANO DIP SWITCH END STACKABLE – –
		APVD 12MAY2017 ALEXANDER SHARPE	
		PRODUCT SPEC —	
		APPLICATION SPEC —	SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2319764 / RESTRICTED TO —
MATERIAL –	FINISH –	WEIGHT –	CUSTOMER DRAWING / SCALE 1:1 / SHEET 2 OF 4 / REV A

2319764

REVISIONS

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

TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B DIM	A DIM	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
YES	SHORT	DOWN ON	3	7.62 [.300]	10.06 [.396]	04	EDSP04SGRNSTR04	5-2319764-2
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRNSTR04	5-2319764-1
		UP ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRFNTR04	5-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRFNTR04	4-2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRFNTR04	4-2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRFNTR04	4-2319764-7
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRFNTR04	4-2319764-6
	LONG			22.86 [.900]	25.30 [.996]	10	EDSP10SGLFNTR04	4-2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGLFNTR04	4-2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGLFNTR04	4-2319764-3
				7.62 [.300]	10.06 [.396]	04	EDSP04SGLFNTR04	4-2319764-2
				2.54 [.100]	4.98 [.196]	02	EDSP02SGLFNTR04	4-2319764-1
NO DOWN ON	SHORT	DOWN ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRNNTR04	4-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRNNTR04	3-2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRNNTR04	3-2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRNNTR04	3-2319764-7
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRNNTR04	3-2319764-6
	LONG			22.86 [.900]	25.30 [.996]	10	EDSP10SGLNNTR04	3-2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGLNNTR04	3-2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGLNNTR04	3-2319764-3
				7.62 [.300]	10.06 [.396]	04	EDSP04SGLNNTR04	3-2319764-2
				2.54 [.100]	4.98 [.196]	02	EDSP02SGLNNTR04	3-2319764-1
YES	SHORT	UP ON	2	22.86 [.900]	25.30 [.996]	10	EDSP10SGRFSTU04	3-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRFSTU04	2-2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRFSTU04	2-2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRFSTU04	2-2319764-7
YES	SHORT	UP ON	2	2.54 [.100]	4.98 [.196]	02	EDSP02SGRFSTU04	2-2319764-6
		DOWN ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRNSTU04	2-2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRNSTU04	2-2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRNSTU04	2-2319764-3
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRNSTU04	2-2319764-2
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRNSTU04	2-2319764-1
	LONG	UP ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGRFNTU04	2-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRFNTU04	1-2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRFNTU04	1-2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRFNTU04	1-2319764-7
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRFNTU04	1-2319764-6
NO	SHORT	DOWN ON		22.86 [.900]	25.30 [.996]	10	EDSP10SGLFNTU04	1-2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGLFNTU04	1-2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGLFNTU04	1-2319764-3
				7.62 [.300]	10.06 [.396]	04	EDSP04SGLFNTU04	1-2319764-2
				2.54 [.100]	4.98 [.196]	02	EDSP02SGLFNTU04	1-2319764-1
	LONG			22.86 [.900]	25.30 [.996]	10	EDSP10SGRNNTU04	1-2319764-0
				17.78 [.700]	20.22 [.796]	08	EDSP08SGRNNTU04	2319764-9
				12.70 [.500]	15.14 [.596]	06	EDSP06SGRNNTU04	2319764-8
				7.62 [.300]	10.06 [.396]	04	EDSP04SGRNNTU04	2319764-7
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				22.86 [.900]	25.30 [.996]	10	EDSP10SGLNNTU04	2319764-5
				17.78 [.700]	20.22 [.796]	08	EDSP08SGLNNTU04	2319764-4
				12.70 [.500]	15.14 [.596]	06	EDSP06SGLNNTU04	2319764-3
				7.62 [.300]	10.06 [.396]	04	EDSP04SGLNNTU04	2319764-2
				2.54 [.100]	4.98 [.196]	02	EDSP02SGLNNTU04	2319764-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

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 12MAY2017
CHK ALEXANDER SHARPE 12MAY2017
APVD ALEXANDER SHARPE 12MAY2017
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT

TE Connectivity

NAME PIANO DIP SWITCH END STACKABLE
–
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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	–	—	—

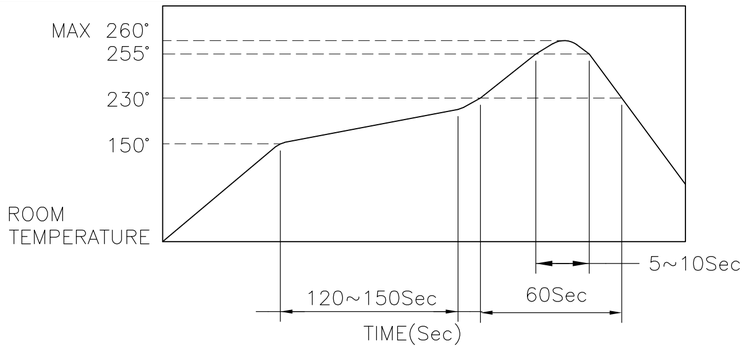
SOLDERING CONDITIONS:

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

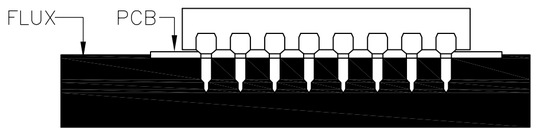
SOLDERING TEMPERATURE	MAX. 350°C.
CONTINUOUS SOLDERING TIME	MAX. 5 SECONDS.

REFLOW SOLDERING



HANDLING PRECAUTIONS

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–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:
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.

TAPE	ACTUATOR TYPE	ACTUATION PUSH	NOTE	B DIM	A DIM	No OF POSITION	TE DESCRIPTIVE PART NUMBER	TE PART NUMBER
YES	SHORT	UP ON	△3	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
				2.54 [.100]	4.98 [.196]	02	EDSP02SGRFSTR04	5–2319764–6
		DOWN ON		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

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3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

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

TE Connectivity

NAME PIANO DIP SWITCH END STACKABLE
–
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–2319764	—

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

2319764

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