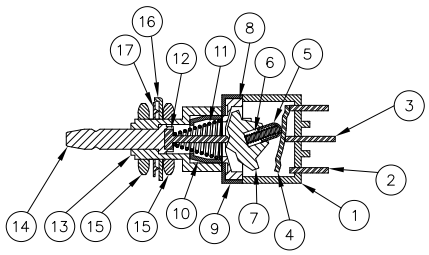
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A3	ECO-11-005556	02MAR11	PSK	WB

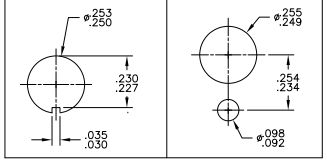
Materials			
No	Component name	Base material	Plating
1	Housing	Diallyl phthalate resin	
2	End terminal	silver clad copper alloy	gold flash
3	Center terminal	copper alloy	gold flash
4	Rocker contact	silver clad copper alloy	gold flash
5	Actuator tip	Phenol resin, UL94 HB	
6	Actuator spring	music wire	
7	Actuator	Phenol resin, UL94 HB	
8	Actuator guide	polyamid resin	
9	Frame	cold rolled steel	zinc
10	Retainer	brass	none
11	Plunger spring	music wire	
12	Plunger pin	brass	
13	Bushing	zinc	nickel
14	Plunger	brass	nickel
15	Mounting nuts (2)	brass	nickel
16	Locating ring	cold rolled steel	nickel
17	Internal tooth lockwasher	steel	nickel

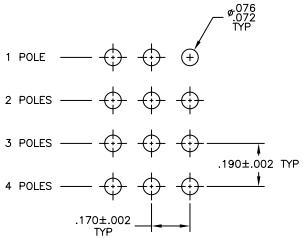


NOT TO SCALE

Specifications-see note 3			
Current rating UL & CSA	6A @ 125 VAC (resistive)		
	3A @ 250 VAC (resistive)		
	4A @ 28 VDC (resistive)		
Initial contact resistance	10 milliohms max @ 2-4 VDC, 1A		
Insulation resistance	1,000 megohms min.		
Dielectric strength	1,500 VAC		
Travel	.140		
Actuation force	.4 to 2 kgf		
Operating temperature	-20C to +85C		
Storage temperature	-40C to +85C		
Contact timing	break before make		
Terminal seal	over molded		
Durability	**Parameter**	**Push on/ Push off**	**Momentary**
	250 VAC (3A resistive)	50,000	50,000
	125 VAC (6A resistive)	50,000	50,000
	28 VDC (4A resistive)	50,000	50,000

RECOMMENDED HOLE LAYOUT
TO PREVENT ROTATION





PC BOARD LAYOUT
PC TERMINALS ONLY

PART NUMBER	Alco P/N	Mark Switch ⚠6	Poles	Throws	Terminal	Function		Connected Terminals	
								3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10
3-1437567-8	MPA406R	MPA 406R	4	2	Wire lug	ON	MOM	2-1, 5-4, 8-7, 11-10	2-3, 5-6, 8-9, 11-12
3-1437567-7	MPA406N	MPA 406N	4	2	Wire lug	ON	ON	2-1, 5-4, 8-7, 11-10	2-3, 5-6, 8-9, 11-12
3-1437567-6	MPA306F	MPA 306F	3	2	Wire lug	ON	MOM	2-1, 5-4, 8-7	2-3, 5-6, 8-9
3-1437567-5	MPA306D	MPA 306D	3	2	Wire lug	ON	ON	2-1, 5-4, 8-7	2-3, 5-6, 8-9
3-1437567-4	MPA206RPC	MPA 206RPC	2	2	PC	ON	MOM	2-1, 5-4	2-3, 5-6
3-1437567-3	MPA206R	MPA 206R	2	2	Wire lug	ON	MOM	2-1, 5-4	2-3, 5-6
3-1437567-2	MPA206NPC	MPA 206NPC	2	2	PC	ON	ON	2-1, 5-4	2-3, 5-6
3-1437567-1	MPA206N	MPA 206N	2	2	Wire lug	ON	ON	2-1, 5-4	2-3, 5-6
3-1437567-0	MPA106FPC	MPA 106FPC	1	2	PC	ON	MOM	2-1	2-3
2-1437567-9	MPA106F	MPA 106F	1	2	Wire lug	ON	MOM	2-1	2-3
2-1437567-8	MPA106D	MPA 106D	1	2	Wire lug	ON	ON	2-1	2-3

NOTES:
1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
   (2) 1/4-40 UNS-2B HEX NUTS
   (1) INTERNAL TOOTH LOCKWASHER
   (1) LOCATING RING

⚠5 WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
⚠6 MARK SWITCH

7. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
8. SWITCH DOES NOT INCLUDE BUTTON CAP. DIMENSIONS SHOWN DESCRIBE ALCOSWITCH CAP C22* AND C23* FOUND ON DRAWINGS 1825068 & 1825069 AND SOLD SEPARATELY.

THIS DRAWING IS A CONTROLLED DOCUMENT.

TEN	M.BINNER	02MAR09
CHK	M.ZITTO	10MAR09
APVD	M.ZITTO	10MAR09
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	—	

DIMENSIONS: INCHES
TOLERANCES UNLESS OTHERWISE SPECIFIED:
6 PLC ± —
5 PLC ± —
4 PLC ± —
3 PLC ± .010
2 PLC ± —
ANGLES ± —
MATERIAL —
FINISH —

TE Connectivity

NAME: ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2-1437567-9 | RESTRICTED TO —

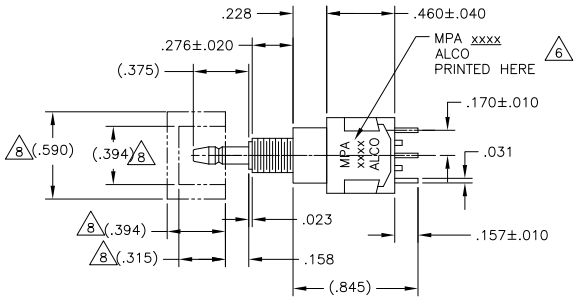
CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 3 | REV A3

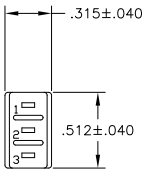
4805 (3/11)

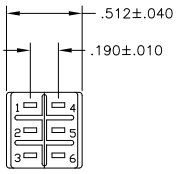
LOC	DIST
AD	00

REVISIONS

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

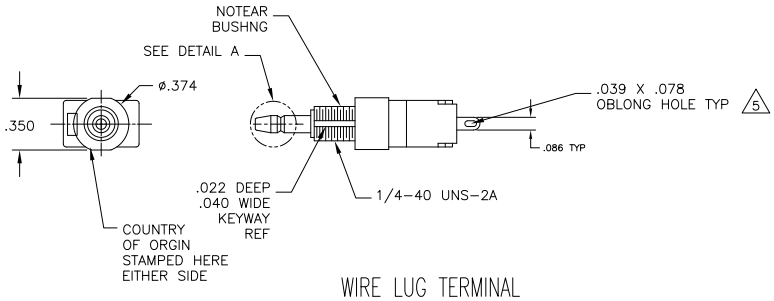




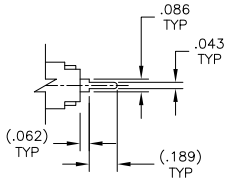


MPA–106

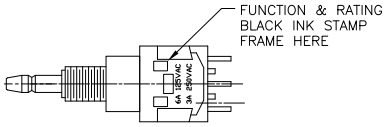
MPA–206



WIRE LUG TERMINAL



PC TERMINAL



THIS DRAWING IS A CONTROLLED DOCUMENT.	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN	M.BINNER 12MAY04
DIMENSIONS: INCHES	0 PLC ± -	CHK	M.ZITTO 12MAY04
	1 PLC ± -	APVD	M.ZITTO 12MAY04
	2 PLC ± -	PRODUCT SPEC	-
	3 PLC ± .012	APPLICATION SPEC	-
	4 PLC ± .012	WEIGHT	-
	ANGLES ± -		
MATERIAL -	FINISH -		

TE Connectivity

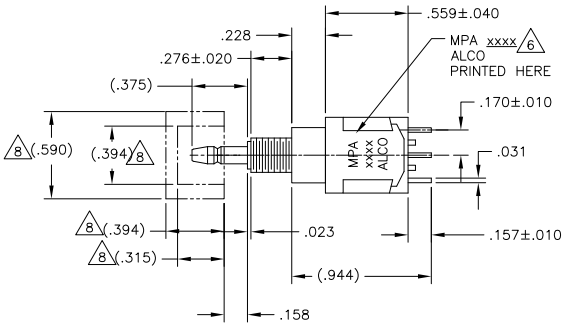
NAME: ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES

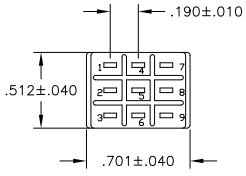
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2-1437567-9	-

CUSTOMER DRAWING | SCALE 3:1 | SHEET 2 OF 3 | REV A3

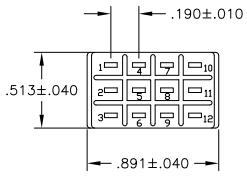
4805 (3/11)

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

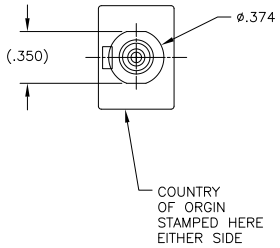


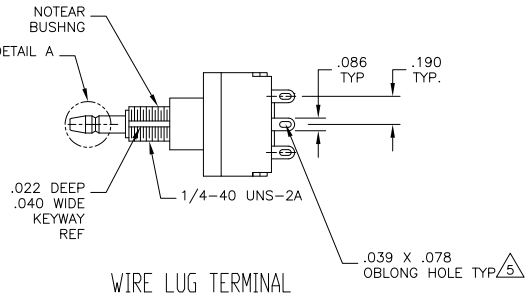


MPA-306

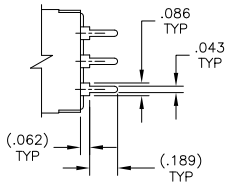


MPA-406

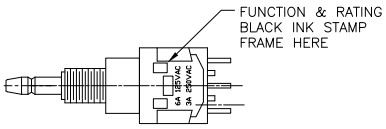




WIRE LUG TERMINAL



PC TERMINAL



THIS DRAWING IS A CONTROLLED DOCUMENT.	TITLE: ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPA SERIES		TE Connectivity
DIMENSIONS: INCHES	DRAWN: M.BINNER 12MAR04		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± --, 1 PLC ± --, 2 PLC ± --, 3 PLC ± .010, 4 PLC ± --, ANGLES ± --	CHK: M.ZITTO 12MAR04		
	APVD: M.ZITTO 12MAR04		
	PRODUCT SPEC: --		
	APPLICATION SPEC: --	SIZE: A1	CAGE CODE: 00779
MATERIAL: --	WEIGHT: --	DRAWING NO: C-2-1437567-9	RESTRICTED TO: --
FINISH: --	CUSTOMER DRAWING	SCALE: 3:1	SHEET: 3 OF 3
			REV: A3

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