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LOC

DIST

AD00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A4	REVISED PER ECO-14-014370	23SEP2014	NK	RH

8.00
[.315]

6.00
[.236]

0.71
[.028]

0.71
[.028]

6.20
[.244]

4.50
[.177]

3.40
[.134]

3.90
[.154]

TERMINAL

SEE DETAIL "A"

ø3.00
[.118]

2.59
[.102]

3.10
[.122]

CASE

BUTTON

COVER (GROUND)

10.01
[.394]

6.81
[.268]

5.89
[.232]

3.10
[.122]

1.40
[.055]

DETAIL "A"

SCALE 15:1

CIRCUIT DIAGRAM

1

2

3

4

5

P.C.B. FOOTPRINT

SPECIFICATIONS:

MATERIALS:
CASE, NYLON 46 UL94 V-0, IVORY
ACTUATOR, NYLON PA6T UL94V-0, SEE P/N TABLE FOR FINISH
COVER, COPPER ALLOY, TIN FINISH
TERMINAL/FIXED CONTACT, COPPER ALLOY-SILVER FINISH
MOVING CONTACT, STAINLESS STEEL-SILVER FINISH

ELECTRICAL:
MAX CONTACT RATING, 50MILLIAMP@24V DC
MIN CONTACT RATING, 1MICROAMP@1V DC
CONTACT RESISTANCE, 100 MILLIOHMS MAX
INSULATION RESISTANCE, 100 MEGOHM MIN.
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE
LIFE EXPECTANCY, 1,000,000 CYCLES

MECHANICAL:
ACTUATION FORCE, SEE P/N TABLE
ACTUATION TRAVEL, 0.25 +0.20/-0.10
LIFE EXPECTANCY, 1,000,000, (2 CYCLES PER SECOND AND 150% ACTUATION FORCE)

ENVIRONMENTAL:
OPERATING TEMPERATURE, -40 TO +105° C
STORAGE TEMPERATURE, -40 TO +105° C
SOLDERABILITY, EIA-RS-186-9E, OR MIL-STD-202F
RESISTANCE TO SOLDER HEAT, 260° C FOR 10SEC-PER 109-201, CONDITION B
1. NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS

1

ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

2

TAPE AND REEL PACKAGING PER EIA-481

1,000,000	PINK	260 +/-50g	12 MM	16 MM	FSM1LPASTR	1977263-4
1,000,000	PINK	260 +/-50g			FSM1LPAS	1977263-3
1,000,000	GREEN	160 +/-50g	12 MM	16 MM	FSM1LPSTR	1977263-2
1,000,000	GREEN	160 +/-50g			FSM1LPS	1977263-1
LIFE CYCLE	ACTUATOR COLOR	ACTUATION FORCE	PITCH	TAPE WIDTH	T&B P/N	TE P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± 0.30[.012]

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

DWN
M.BINNER
24JAN08

CHK
M.SARVER
24JAN08

APVD
M.SARVER
24JAN08

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME

TACTILE SWITCH
FSM1LP

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1977263

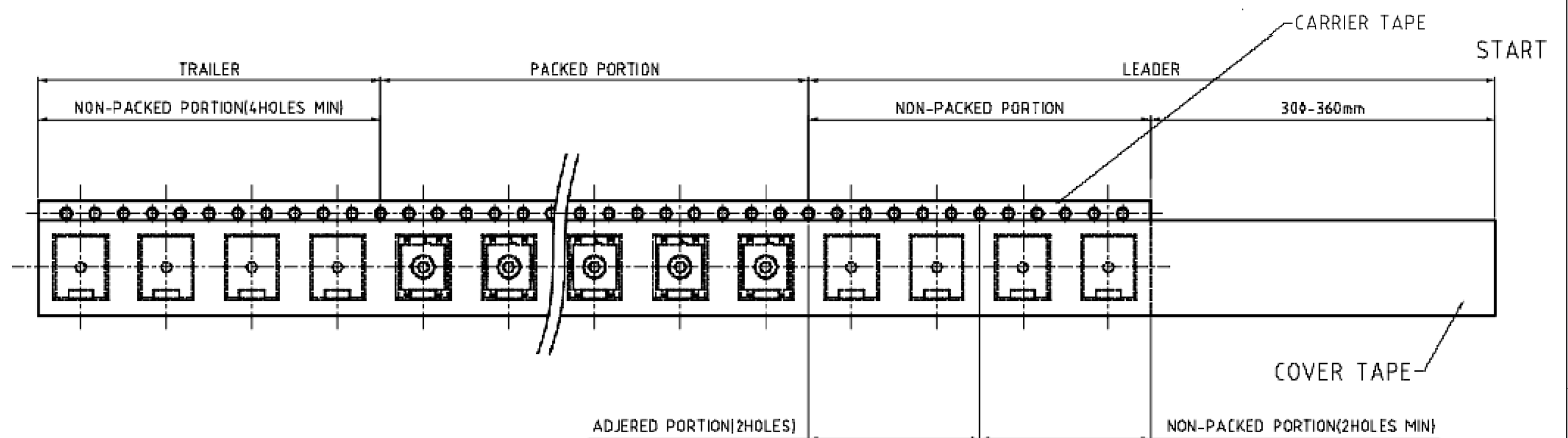
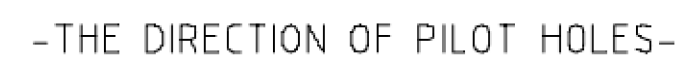
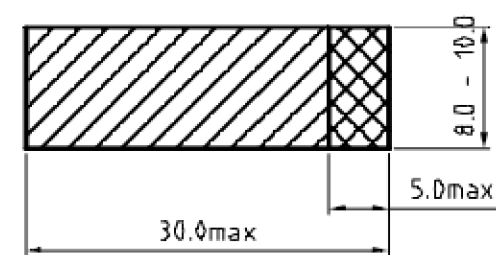
RESTRICTED TO
-

SCALE
4:1

SHEET
1 OF 2

REV
A4

1471-9 (3/11)



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 24JAN08		 TE Connectivity	
		CHK 24JAN08			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME TACTILE SWITCH FSM1LP	
		DWN M.SARVER 24JAN08			
0 PLC ± - 1 PLC ± - 2 PLC ± 0.30[.012] 3 PLC ± - 4 PLC ± - ANGLES ± ± -		APVD M.SARVER PRODUCT SPEC - APPLICATION SPEC -			
MATERIAL -		FINISH -			
		WEIGHT -		SIZE A2	
		CUSTOMER DRAWING		CAGE CODE 00779	
		DRAWING NO C-1977263		RESTRICTED TO -	
		SCALE 4:1		SHEET 2 OF 2	
		REV A4			

Mouser Electronics

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[TE Connectivity:](#)

[1977263-1](#) [1977263-2](#)