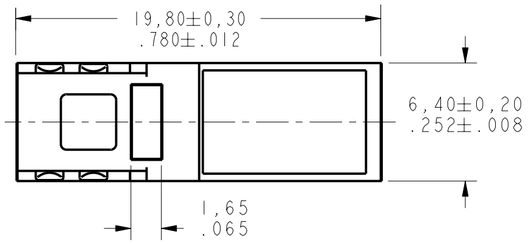
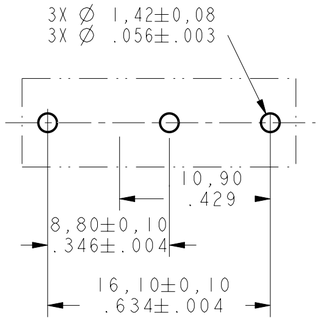
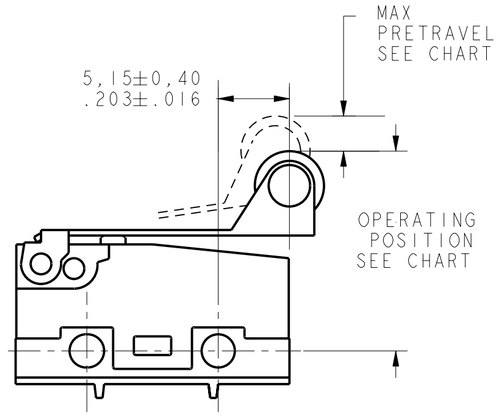
UM SERIES CHART 2

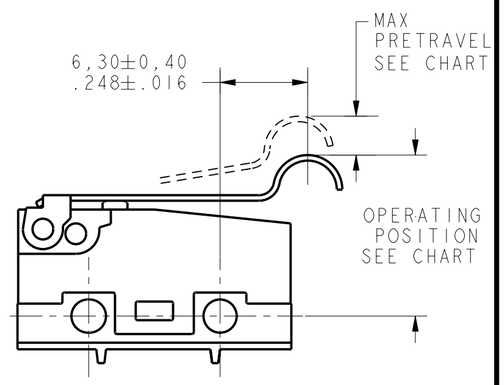




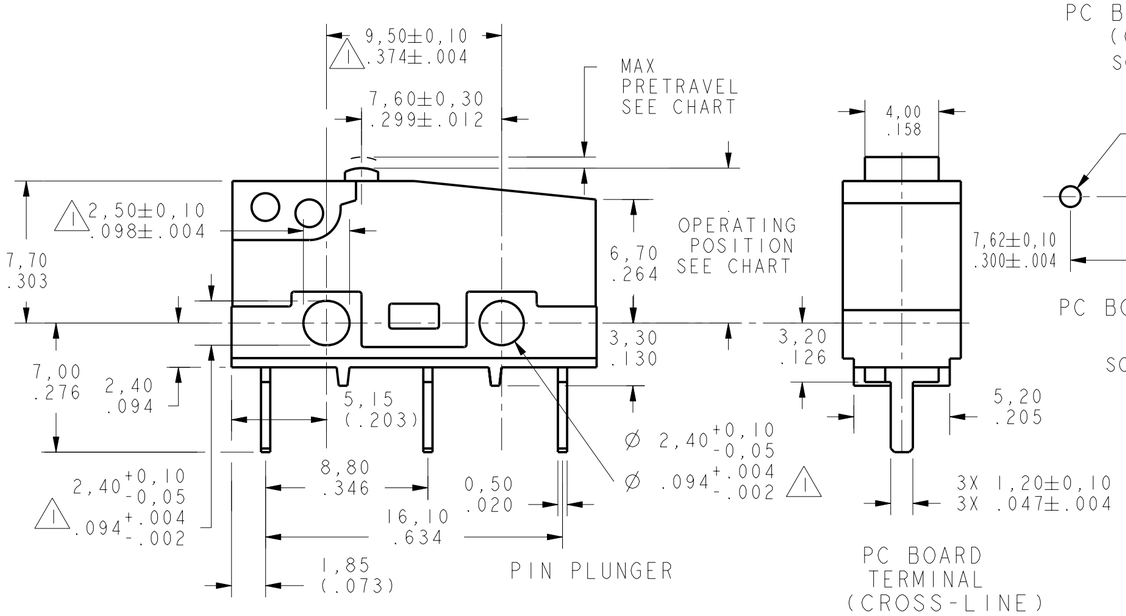
PC BOARD PATTERN
(CROSS-LINE)
SCALE - 3 : 1

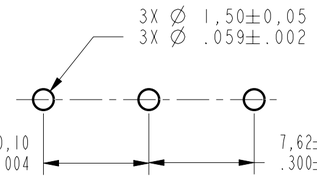


UML10000 ROLLER LEVER
SCALE - 3 : 1

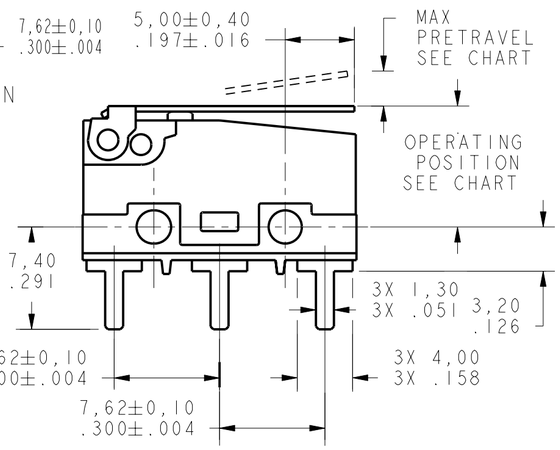


UML10001 SIMULATED
ROLLER LEVER
SCALE - 3 : 1

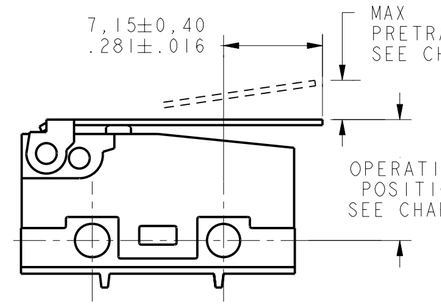




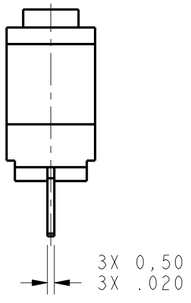
PC BOARD PATTERN
(IN-LINE)
SCALE - 3 : 1



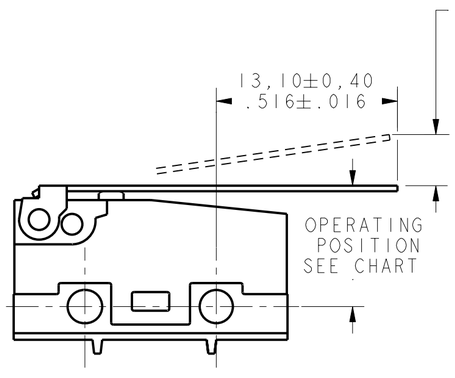
UML10002 FLAT LEVER
SCALE - 3 : 1



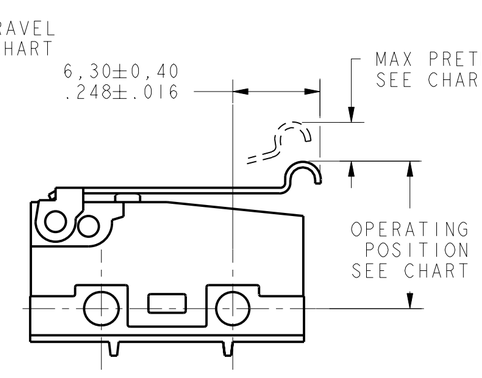
UML10003 FLAT LEVER
SCALE - 3 : 1



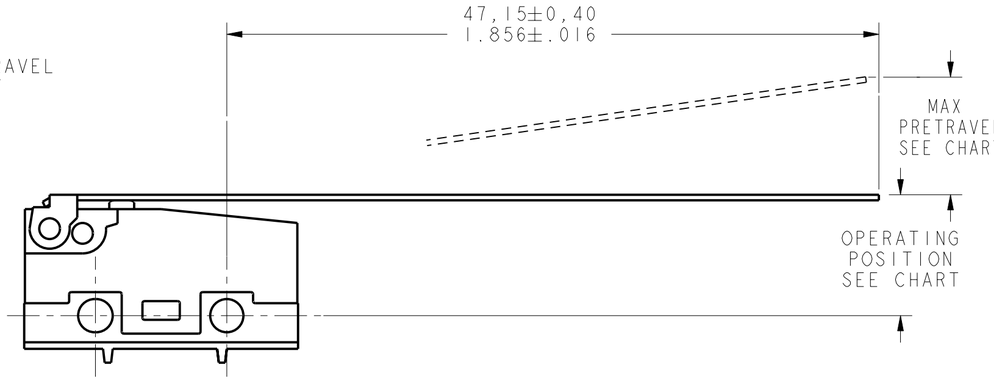
PC BOARD
TERMINAL
(IN-LINE)



UML10004 FLAT LEVER
SCALE - 3 : 1



UML10005 SIMULATED
ROLLER LEVER
SCALE - 3 : 1



UML10006 FLAT LEVER
SCALE - 3 : 1

NOTES
1. MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF Ø2,21/Ø.087 MAX ON 9,50±0,05/.374±.002 CENTERS
2 - TERMINALS ARE PLATED FOR SOLDERING
3 - SWITCH WILL WITHSTAND A TEMPERATURE OF 82.2°C/180°F

2158 4275.5-4401-1700/AI
S 9222145
E 12252
LR23413-167M
CE

LISTING PREFIX	ELECTRICAL RATING
UM50	5A 250 VAC
UM40	3A 250 VAC
UM10	.1A 250 VAC

ANSI Y14.5M-1982 APPLIES

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MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

SWITCH - BASIC

CATALOG LISTING
UM SERIES CHART 2

THIRD ANGLE PROJECTION
SCALE 4 : 1
DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±

	DIM. mm	TOL mm/in	DIM. in	TOL mm/in
NO PLACES	X	1/.04	X.X	0.8/.03
ONE PLACE	X.X	0.4/.016	X.XX	0.38/.015
TWO PLACES	X.XX	0.15/.006	X.XXX	0.13/.005
THREE PLACES				
ANGLES				

DESIGN UNITS: SI METRIC ☒ US CUSTOMARY ☐

WEIGHT

UM SERIES CHART 2
PAGE 1 OF 2
RELEASE NO. PR-19771
REPLACES

DRAWING NUMBER	ISSUE	CHECK
11		

REVISIONS

		CHECK
A	C094774 TSM 13JUL99	
B	PR24222 TSM 16 AUG 99	
C	207532 C S L 3 MAR 03	
D	207615 C S L 10 MAR 03	

	DRAWN	CHECK
PTC/CAD 2D	TSM 13JUL99	JAF 13JUL99

SWITCH TYPE	ACTUATOR TYPE	PRINTED CIRCUIT BOARD TERMINALS (CROSS-LINE)		PRINTED CIRCUIT BOARD TERMINALS (IN-LINE)		CHARACTERISTICS					
		SILVER ALLOY	GOLD-CLAD TRIPLE LAYER	SILVER ALLOY	GOLD-CLAD TRIPLE LAYER	OPERATING FORCE MAX	RELEASE FORCE MIN	PRETRAVEL MAX	DIFFERENTIAL TRAVEL MAX	OVER TRAVEL MIN	OPERATING POSITION
						grams OUNCES	grams OUNCES	mm INCHES	mm INCHES	mm INCHES	mm INCHES
STANDARD VERSION	PIN PLUNGER	-----	(A)	-----	(A)	25 .882	2 .071	0,60 .024	0,10 .004	0,40 .016	8,40±0,30 .331±.012
		(A)	(A)	UM40B40A01	UM10B40A01	50 1.764	7.5 .265	0,60 .024	0,10 .004	0,40 .016	8,40±0,30 .331±.012
		(A)	(A)	(D)	(C)	100 3.527	15 .529	0,60 .024	0,10 .004	0,40 .016	8,40±0,30 .331±.012
	UML10000 ROLLER LEVER	(A)	(A)	UM40B40F01	UM10B40F01	20 .705	1.7 .060	2,50 .098	0,50 .020	0,80 .031	14,50±0,80 .571±.031
		(A)	(A)	(C)	(C)	40 1.411	3.5 .123	2,50 .098	0,50 .020	0,80 .031	14,50±8,80 .571±.031
	UML10001 SIMULATED ROLLER LEVER	(A)	(A)	UM40B40E01	UM10B40E01	16 .564	1.5 .053	2,80 .110	0,80 .031	1,20 .047	11,65±0,80 .459±.031
		(A)	(A)	(C)	(C)	35 1.234	3 .106	2,80 .110	0,80 .031	1,20 .047	11,65±0,80 .459±.031
	UML10002 FLAT LEVER	-----	(A)	-----	(A)	10 .353	4 .140	2,50 .098	0,50 .020	0,80 .031	8,80±0,80 .346±.031
		(A)	(A)	UM40B40B01	UM10B40B01	20 .705	1.7 .060	2,50 .098	0,50 .020	0,80 .031	8,80±0,80 .346±.031
		(A)	(A)	(C)	(C)	40 1.411	3.5 .123	2,50 .098	0,50 .020	0,80 .031	8,80±0,80 .346±.031
	UML10003 FLAT LEVER	-----	(A)	-----	(A)	8 .282	0.35 .012	2,80 .110	0,80 .031	1,20 .047	8,80±0,80 .346±.031
		(A)	(A)	UM40B40C01	UM10B40C01	16 .564	1.5 .053	2,80 .110	0,80 .031	1,20 .047	8,80±0,80 .346±.031
		(A)	(A)	(C)	(C)	35 1.234	3 .106	2,80 .110	0,80 .031	1,20 .047	8,80±0,80 .346±.031
	UML10004 FLAT LEVER	(A)	(A)	UM40B40D01	UM10B40D01	12 .423	1.2 .042	3,50 .138	1,00 .039	1,60 .063	8,80±1,20 .346±.047
		(A)	UM10D20D01	(C)	(C)	25 .882	2.5 .088	3,50 .138	1,00 .039	1,60 .063	8,80±1,20 .346±.047
	UML10005 SIMULATED ROLLER LEVER	(A)	(A)	(A)	(A)	16 .564	1.5 .053	2,80 .110	0,80 .031	1,20 .047	10,70±0,80 .421±.031
		(A)	(A)	(A)	(A)	35 1.234	3 .106	2,80 .110	0,80 .031	1,20 .047	10,70±0,80 .421±.031
	UML10006 FLAT LEVER	(A)	(A)	UM40B40J01	(A)	6 .211	0.5 .018	8,50 .334	2,50 .098	2,20 .087	8,80±2,40 .346±.094
		(A)	(A)	(A)	(A)	15 .529	1.0 .036	8,50 .334	2,50 .098	2,20 .087	8,80±2,40 .346±.094
LONG LIFE VERSION	PIN PLUNGER	(A)	UM10E20A01	UM50E40A01	UM10E40A01	150 5.291	20 .705	0,60 .024	0,10 .004	0,40 .016	8,40±0,30 .331±.012
	UML10000 ROLLER LEVER	(A)	(A)	(C)	UM10E40F01	60 2.116	4.0 .141	2,50 .098	0,50 .020	0,80 .031	14,50±0,80 .571±.031
	UML10001 SIM ROLLER LEVER	(A)	(A)	UM50E40E01	UM10E40E01	55 1.940	3.5 .123	2,80 .110	0,80 .031	1,20 .047	11,65±0,80 .459±.031
	UML10002 FLAT LEVER	(A)	(A)	(C)	UM10E40B01	60 2.116	4,0 .141	2,50 .098	0,50 .020	0,80 .031	8,80±0,80 .346±.031
	UML10003 FLAT LEVER	(A)	(A)	(C)	UM10E40C01	55 1.940	3.5 .123	2,80 .110	0,80 .031	1,20 .047	8,80±0,80 .346±.031
	UML10004 FLAT LEVER	(A)	(A)	UM50E40D01	UM10E40D01	45 1.587	3.0 .106	3,50 .138	1,00 .039	1,60 .063	8,80±1,20 .346±.047
	UML10005 SIM ROLLER LEVER	(A)	(A)	(A)	(A)	55 1.940	3.5 .123	2,80 .110	0,80 .031	1,20 .047	10,70±0,80 .421±.031
	UML10006 FLAT LEVER	(A)	(A)	(A)	(A)	20 .705	1.0 .036	8,50 .334	2,50 .098	2,20 .087	8,80±2,40 .346±.094

UM SERIES CHART 2 | PAGE 2 OF 2 | RELEASE NO. PR-19771 | REPLACES

DRAWING NUMBER | ISSUE 11

REVISIONS

A	C094774	TSM 14JUL99
B	PR24222	TSM 16AUG99
C	207532	C S L 3 MAR 03
D	207615	C S L 10 MAR 03

CHECK | CHECK | JAF 13JUL99 | CHECK | 13JUL99

PTC/CAD 2D | DRAWN TSM 13JUL99

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FED. MFG. CODE 91929

SWITCH - BASIC

CATALOG LISTING
UM SERIES CHART 2

ANSI Y14.5M-1982 APPLIES

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

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THREE PLACES				
ANGLES				

DESIGN UNITS: SI METRIC [X] US CUSTOMARY [ ]

WEIGHT

Mouser Electronics

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UM10B40E01