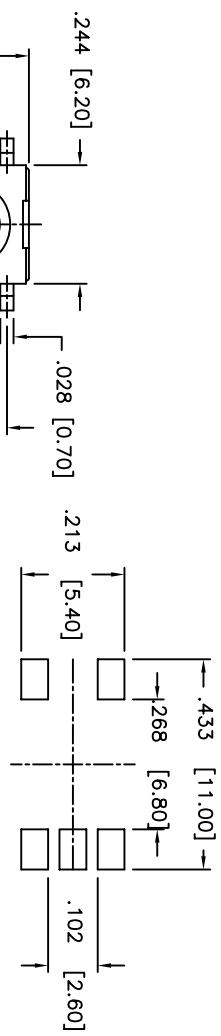
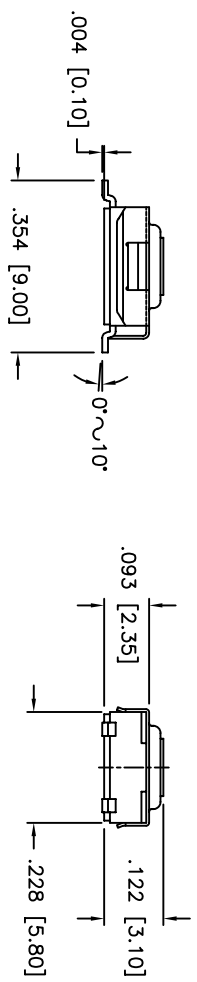


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DATE	SYM	REVISION RECORD	DWNL	CK
7/05	A	ECO# 443	PD	
7/05	B	ECO# 447	PD	
1/06	C	ECO# 526	CD	
3/06	D	ECO# 555	CD	PD

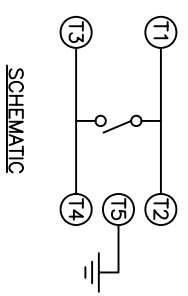


P.C. LAYOUT
UNLESS OTHERWISE SPECIFIED
P.C. TOLERANCES ARE $\pm .005$ [0.13]



ADTS GMW66NSV/B
SERIES
G = GROUNDING
M = SMT
W = WASHABLE
DIM 'H' =
ACTUATOR COLOR =
N = BROWN, 1609f

PACKAGING
□ = BULK
B = TUBE
TR = TAPE & REEL
SOLDERING
V = LEAD FREE
S.S. DOME (1,000,000 CYCLES)



SCHEMATIC

DESCRIPTION: SPST, NORMALLY OPEN, MOMENTARY, 6mm X 6mm, SURFACE MOUNT, WASHABLE, TACT SWITCH WITH GROUNDING PIN

SPECIFICATIONS:
CONTACT RATING: 50mA @ 12VDC
CONTACT RESISTANCE: 100mOHMS MAX.
INITIAL: 100 MOHMS MAX.
AFTER CYCLING: 10 OHMS MAX.
INSULATION RESISTANCE: 100MOHMS MIN. @ 500VDC
DIELECTRIC STRENGTH: 250VAC FOR 1 MINUTE
ELECTRICAL LIFE: 1,000,000 CYCLES MIN.
OPERATING TEMPERATURE RANGE: -25°C TO +70°C
STOP STRENGTH: MAX 3kgf VERTICAL STATIC LOAD
CONT. FOR 15 SEC.

ACTUATION FORCE: SEE P/N DESCRIPTION
STORAGE TEMPERATURE RANGE: -30°C TO +80°C FOR 96 HRS
SHOCK RESISTANCE: 50G PER METHOD 213B, MIL-STD-202F
VIBRATION RESISTANCE: PASSES METHOD 201A, MIL-STD-202F

SOLDERING:
IR REFLOW: 255°C MAX.
HAND SOLDERING: 350°C MAX. FOR 5 SECONDS MAX.
LEAD FREE PROCESS COMPATIBLE

MATERIALS:
BASE: THERMOPLASTIC UL94V-0, COLOR BLACK
ACTUATOR: THERMOPLASTIC UL94V-0
COVER: NICKEL SILVER
TERMINALS: SILVER PLATED BRASS
SHORTING CONTACT: STAINLESS STEEL WITH SILVER CLADDING
ROHS COMPLIANT

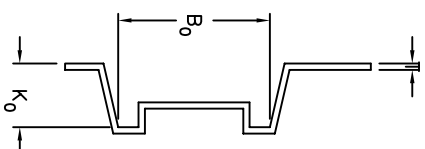
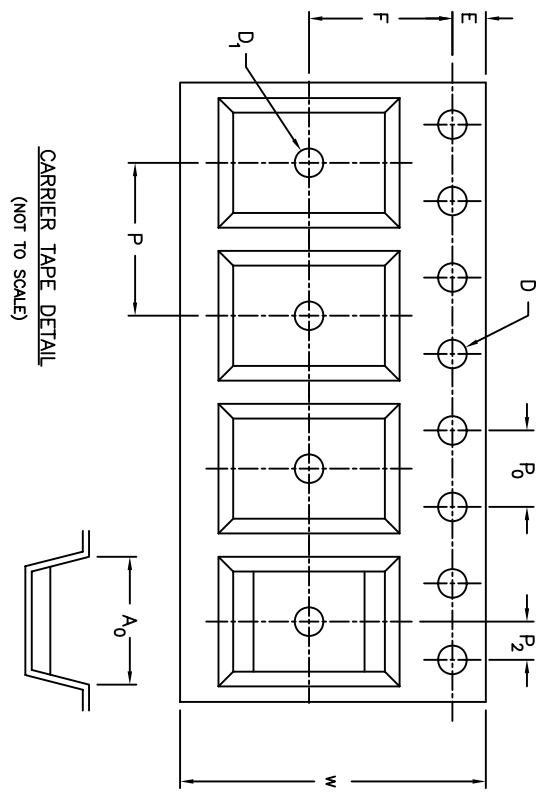
NOTE:
1. AFTER SOLDERING, RETURN SWITCHES TO NORMAL TEMPERATURE BEFORE WASHING.

Q.A. INSPECT:		DESIGNER'S INITIAL:		DWN. PJD	
TOLERANCES (UNLESS OTHERWISE SPECIFIED)		SHEET 1 OF 2		SCALE 4:1	
TITLE WASHABLE TACT SWITCH, SMT, GROUNDING		SIZE B		THIRD ANGLE PROJECTION	
DATE 7/8/05		DRAWING NO. ADTSMW66NSV*		REV. D	

1 2 3 4 5 6 7 8

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SPEC.	P/N	DTSMW-66
W	+0.012 [0.30] -0.004 [0.10]	.630 [16.00]
P	+0.004 [0.10] -0.004 [0.10]	.315 [8.00]
E	+0.004 [0.10] -0.004 [0.10]	.069 [1.75]
F	+0.004 [0.10] -0.004 [0.10]	.295 [7.50]
D	+0.004 [0.10] -0.000 [0.00]	.059 [1.50]
D ₁	+0.010 [0.25] -0.000 [0.00]	.059 [1.50]
P ₀	+0.004 [0.10] -0.004 [0.10]	.157 [4.00]
P ₀ 10	+0.008 [0.20] -0.008 [0.20]	1.575 [40.00]
P ₂	+0.004 [0.10] -0.004 [0.10]	.079 [2.00]
A ₀	+0.004 [0.10] -0.004 [0.10]	.270 [6.78]
B ₀	+0.004 [0.10] -0.004 [0.10]	.373 [9.47]
K ₀	+0.004 [0.10] -0.004 [0.10]	.158 [4.01]
T	+0.005 [0.013] -0.005 [0.013]	.013 [0.33]



DATE	SYM	REVISION RECORD	DWN.	CK.

Q.A. INSECT: DESIGNATES CRITICAL DIMENSION

TOLERANCES (UNLESS OTHERWISE SPECIFIED)
 .XX = ±.02 [0.05]
 .XXX = ±.008 [0.20]
 .XXXX = ±.0008 [0.02]
 ANGLE = 30.5°

APEM
 APEM COMPONENTS INC.
 63 Neck Rd. 01835
 Hopkinton, MA
 Phone: 508-372-5554

DRN. PJD
 BR. CK.
 BR. TIM

THIRD ANGLE PROJECTION

DATE: 7/8/05
 DRAWING NO. ADTSMW66NSV*
 REV. D

TITLE: WASHABLE TACT SWITCH, SMT, GROUNDING

DO NOT SCALE DIMENSIONS

1 2 3 4 5 6 7 8