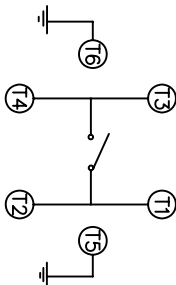
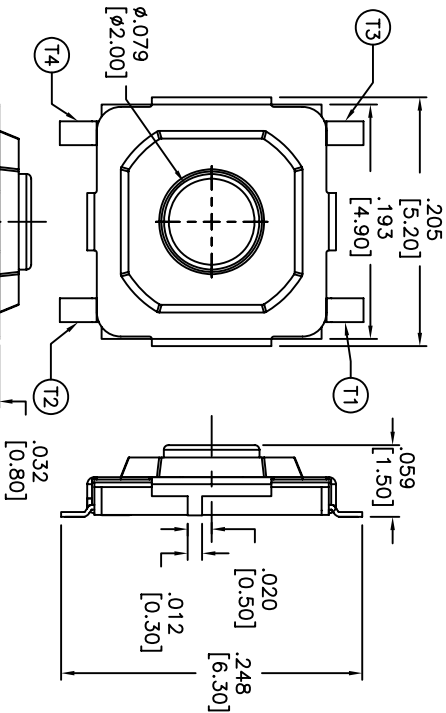
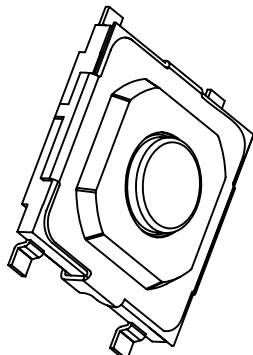
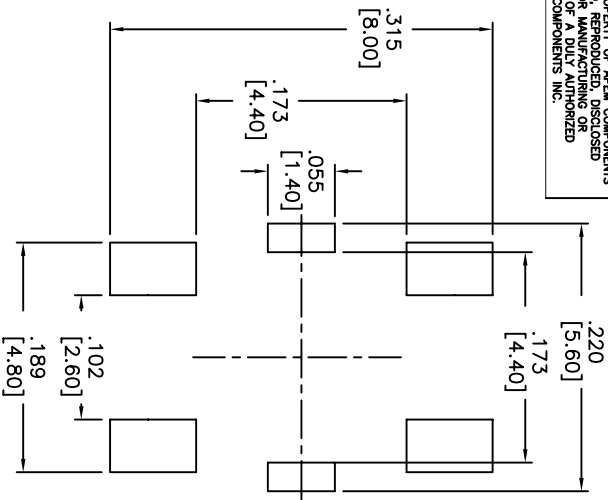


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ATMG53*/V*
OPERATION FORCE: _____
3=160gf
4=260gf
PACKAGE STYLE:
T/R=TAPE AND REEL
LEAD FREE



CIRCUIT DIAGRAM

DATE	SYM	REVISION RECORD	DWN.	CK.
11/05	B	ECO# 495	CD	

DESCRIPTION: MINIATURE MACHANICAL CONTACT SWITCH WITH SURFACE MOUNT TERMINALS AND GROUNDING TERMINALS.

SPECIFICATIONS:

STROKE: .010 $\pm .004$ [0.25 $\pm .010$]

OPERATION TEMPERATURE RANGE: -25°C TO +70°C

STORAGE TEMPERATURE RANGE: -30°C TO +80°C

VIBRATION TEST: PASSES METHOD 201A MIL-STD-202F.

SHOCK TEST: 50G PER METHOD 213B MIL-STD202F.

ELECTRICAL LIFE: 1,000,000 CYCLES MIN FOR 160gf. 200,000 CYCLES MIN FOR 260gf.

RATING: 50mA, 12VDC.

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 500VDC.

DIELECTRIC STRENGTH: 250VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1POLE 1 THROW.

MATERIALS:

COVER: NICKEL SILVER.

BASE: HIGH-TEMP. THERMOPLASTIC.

COLOR: BLACK.

STEM: BRASS WITH NICKEL PLATING

CONTACT DISC: STAINLESS STEEL.

TERMINAL: BRASS WITH SILVER CLADDING.

TAPE: TEFLON

SOLDERING:

HAND SOLDERING: 30 WATT IRON AT 350°C FOR 5 SEC.

VAPOR & REFLOW: 255°C FOR 5 SEC. MAX.

NON-WASHABLE

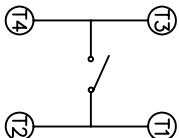
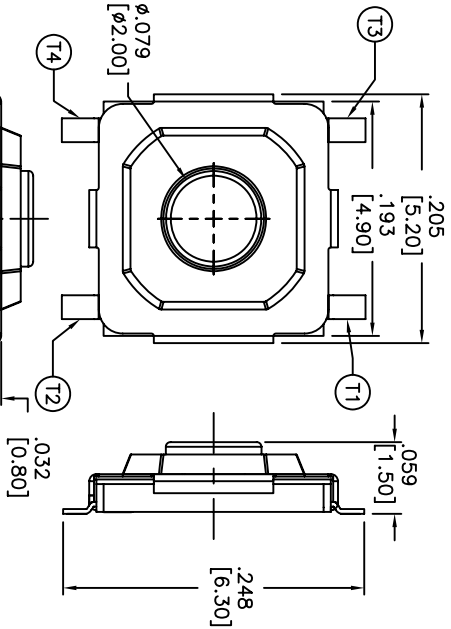
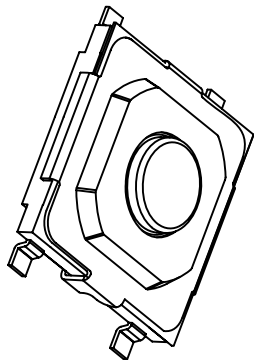
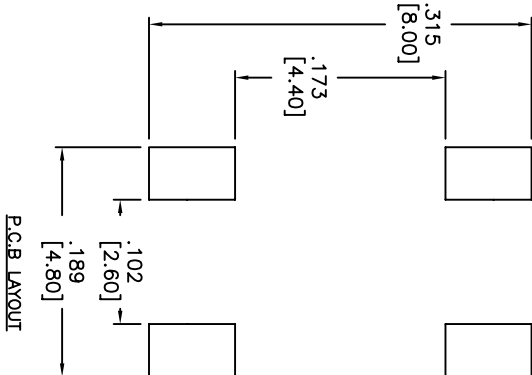
LEAD FREE PROCESS COMPATIBLE

ROHS COMPLANT

DESIGNATION		DIMENSION		TOLERANCES		TITLE		DATE		DRAWING NO.		REV	
APMG	63	11/15/05	11/15/05	11/15/05	11/15/05	MECHANICAL CONTACT SWITCH	MECHANICAL CONTACT SWITCH	08/15/05	08/15/05	ATMG53*V*	ATMG53*V*	B	B
APMG	63	11/15/05	11/15/05	11/15/05	11/15/05	MECHANICAL CONTACT SWITCH	MECHANICAL CONTACT SWITCH	08/15/05	08/15/05	ATMG53*V*	ATMG53*V*	B	B

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ATM53*V/*
PACKAGE STYLE:
2=100gf
3=160gf
4=260gf
T/R=TAPE AND REEL
LEAD FREE



CIRCUIT DIAGRAM

DESCRIPTION: MINIATURE MECHANICAL CONTACT SWITCH
SURFACE MOUNT TERMINALS.

SPECIFICATIONS:

STROKE: .010 $\pm .004$ [0.25 $\pm .01$]
OPERATION TEMPERATURE RANGE: -25°C TO +70°C
STORAGE TEMPERATURE RANGE: -30°C TO +80°C
VIBRATION TEST: PASSES METHOD 201A MIL-STD-202F.
SHOCK TEST: 50G PER METHOD 213B MIL-STD202F.
ELECTRICAL LIFE: 1,000,000 CYCLES MIN FOR 100gf, 16
200,000 CYCLES MIN FOR 260gf.

RATING: 50mA, 12VDC.
CONTACT RESISTANCE: 100mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN. AT 500VDC.
DIELECTRIC STRENGTH: 250VAC/1 MINUTE.
CONTACT ARRANGEMENT: 1POLE 1 THROW.

MATERIALS:

COVER: NICKEL SILVER.
BASE: HIGH-TEMP. THERMOPLASTIC.
COLOR: BLACK.
STEM: BRASS WITH NICKEL PLATING
CONTACT DISC: STAINLESS STEEL WITH SILVER PLATING.
TERMINAL: BRASS WITH SILVER CLADDING.
TAPE: TEFLON

SOLDERING:
HAND SOLDERING: 30 WATT IRON AT 350°C FOR 5 SEC.
VAPOR & REFLOW: 255°C FOR 5 SEC. MAX.
NON-WASHABLE
LEAD FREE PROCESS COMPATIBLE
ROHS COMPLIANT

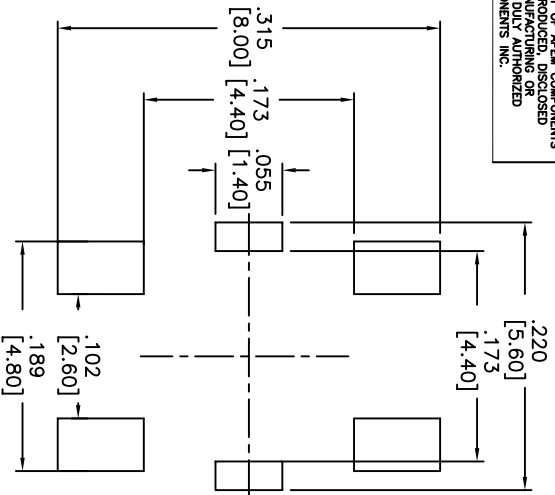
DATE	SYM	REVISION RECORD	DWN.	CK.

9A. INSECT.		63 Neck Rd.		DIN. CJD	
DESIGNATES CRITICAL DIMENSION		Haverhill, MA 01830		BR.	
TOLERANCES (UNLESS AS NOTED)		FORM 372-5554		PJD	
.XX = ±.02 [0.05]		1 OF 1		THIRD ANGLE PROJECTION	
.XXX = ±.004 [0.20]		SIZE		SCALE	
.XXXX = ±.0008 [0.02]		B		10:1	
ANGLE = 10.5°		TITLE		MECHANICAL CONTACT SWITCH	
DO NOT SCALE DRAWING		DATE		DRAWING NO.	
		4/26/06		ATM53*V*	
				REV	
				A	

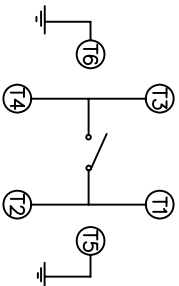
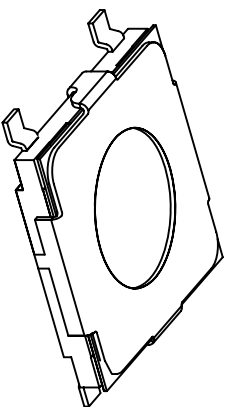


REVISION RECORD			DMN.	CK.
DATE	STM			

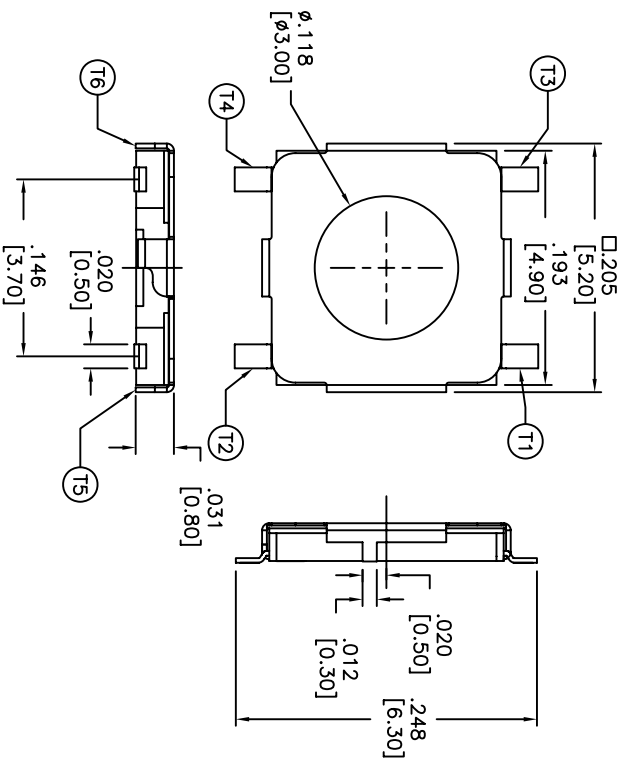
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P.C.B LAYOUT
UNLESS OTHERWISE SPECIFIED
ALL P.C TOLERANCES ARE ± 0.02 [0.05]



CIRCUIT DIAGRAM



ATMG52*/T

OPERATION FORCE: _____

PACKAGE STYLE: _____

2=100gf T/R=TAPE AND REEL

3=160gf LEAD FREE

4=260gf

DESCRIPTION: MINIATURE MECHANICAL CONTACT SWITCH WITH SMT, AND GROUNDING TERMINALS.

SPECIFICATIONS:

OPERATION TEMPERATURE RANGE: -25°C TO +70°C

STORAGE TEMPERATURE RANGE: -30°C TO $+80^{\circ}\text{C}$

VIBRATION TEST: PASSES METHOD 201A MIL-STD-202F.

STROKE: .010 $\pm$.004 [0.25 $\pm$ 0.10]
 -.008 $\pm$ 0.00

SHOCK TEST: 50G PER METHOD 213B MIL-STD202F

ELECTRICAL LIFE: 1,000,000 CYCLES MIN FOR 100gf AND 160gf.

200,000 CYCLES MIN FOR 260gf.

RATING: 50mA, 12VDC.

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100M Ω MIN. AT 500VDC.

DIELECTRIC STRENGTH: 250VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1POLE 1 THROW

MATERIALS:

COVER: NICKEL SILVER.

BASE: HIGH-TEMP. THERMOPLASTIC.

COLOR, BLACK.

STEM: BRASS WITH NICKEL PLATING

CONTACT DISC: STAINLESS STEEL WITH SILVER CLADDING

TERMINAL: BR

TAPES: TEFL

SOLDERING: TO WHAT IDEAS ARE YOU ADDING TO WHAT YOU LEARNED LAST TIME?

HAND SOLDERING: 30 WATT IRON AT 350°C FOR 5 SEC

SEC. 100.000.000 MAY 1997

IR REFLOW: 260°C MAX

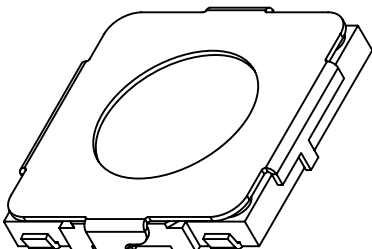
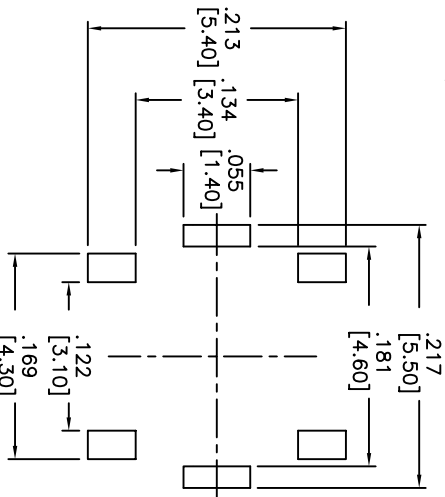
LEAD FREE PRODUCT COMPLIANT

REVISION RECORD				DATE	SYM	DNW.	CK.

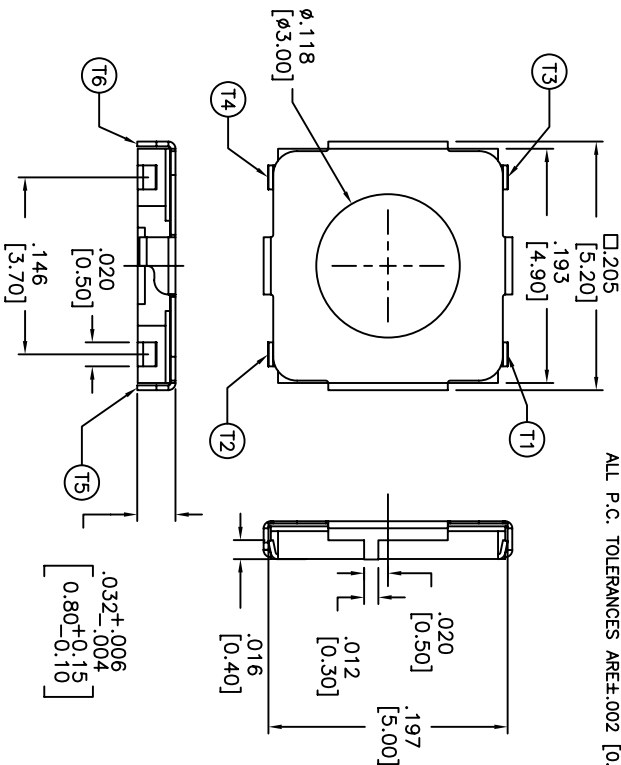
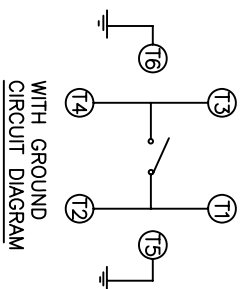
0A. INSECT 		03. NAIL 03 NAIL RD 01835 Tel: 01787-572-1802 Fax: 01787-572-3534		DRN. BR:	CJD
DESIGNATES OPTICAL DIMENSION				CHK. PJD	PJD
TO ENDPOINTS (EXCEPT AS NOTED) X.XX±0.02(0.05) Y.YY±0.008(0.20) Z.ZZZ±0.0008(0.02) ANGLE = ±0.5°		INCH (MM)	SHEET 1 OF 1	SIZE B	SCALE 10:1
TITLE MECHANICAL CONTACT SWITCH					
DATE 8/15/05	DRAWING NO. ATMG52*V*	REV A			

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ATUG52**V*
OPERATION FORCE: _____
2=100gf
3=160gf
4=260gf
PACKAGE STYLE:
T/R=TAPE AND REEL
LEAD FREE



P.C.B LAYOUT
UNLESS OTHERWISE SPECIFIED
ALL P.C. TOLERANCES ARE±.002 [0.05]



DESCRIPTION: MINIATURE MECHANICAL CONTACT SWITCH WITH
J TYPE SMT AND GROUNDING TERMINALS.

SPECIFICATIONS:

OPERATION TEMPERATURE RANGE: -25°C TO +70°C
STORAGE TEMPERATURE RANGE: -30°C TO +80°C
VIBRATION TEST: PASSES METHOD 213B MIL-STD-202F.
SHOCK TEST: 50G PER METHOD 213B MIL-STD202F.
ELECTRICAL LIFE: 1,000,000 CYCLES MIN FOR 100gf 160gf.
200,000 CYCLES MIN FOR 260gf.
RATING: 50mA, 12VDC.
CONTACT RESISTANCE: 100mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN. AT 500VDC.
DIELECTRIC STRENGTH: 250VAC/1 MINUTE.
STROKE: 0.25 ±0.28mm
CONTACT ARRANGEMENT: 1POLE 1 THROW.

MATERIALS:

COVER: NICKEL SILVER.
BASE: HIGH-TEMP. THERMOPLASTIC.
COLOR, BLACK.
STEM: BRASS WITH NICKEL PLATING
CONTACT DISC: STAINLESS STEEL WITH SILVER CLADDING.
TERMINAL: BRASS WITH SILVER PLATING.
TAPE: TEFLON

SOLDERING:

HAND SOLDERING: 30 WATT IRON AT 350°C FOR 5 SEC.
IR REFLOW: 260°C MAX.
LEAD FREE PROCESS COMPATIBLE
ROHS COMPLIANT

DATE	SYM	REVISION	RECORD	DWN.	CK.

Q.A. INSPECT.		DESIGNATION		TOLERANCES		TITLE		DATE		DRAWING NO.		REV	
△		APEM		JXX=±.02[0.05] JXX=±.008[0.20] JXXX=±.0008[0.02] ANGLE = ±0.5°		MECHANICAL CONTACT SWITCH		8/11/06		ATUG52**V*		A	
DO NOT SCALE		SHEET 1 OF 1		SIZE B		SCALE 10:1							
63 Neck Rd. 01835 Haverhill, MA 01835 FAX 978-372-3534		P.D.		P.D.		P.D.							



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.