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LOC

DIST

AD

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	ECO-07-3389	12FEB07	MB	MS
	C1	REVISED PER ECO-09-024927	07NOV09	KK	AEG

Specifications:

Material

Base, PPS UL94V-0, BLACK

Cover, PPS UL94V-0, BLACK

Actuator, PA6T UL94V-0, WHITE

Fixed Contact/Terminal, Cu Alloy, Plate- Gold/Nickel

Moving Contact, Cu Alloy, Plate-Gold/Nickel

Electrical

Contact rating switching, .4VA @ 20V DC

Initial contact resistance, 50 milliohms max.

Insulation Resistance, 100 Megohms min. @ 100 VDC

Dielectric strength, 500 VAC RMS @ Sea level

Life, 5,000 cycles

Mechanical

Operating force, Less than 800 grams

Travel, .051

Environmental

Operating Temperature, -30 to +85 degrees C

Storage Temperature, -45 to + 100 degrees C

Cleaning, Aqueous or solvent

Solder heat resistance, 265 degrees C +/- 3 degrees C within 8 seconds +/- 2 seconds

Solderability per JIS-C-0050 & JIS-C-00053

1

2

3

4

OFF

DATE CODE

DIM L

7.48
[.295]

COVER

ACTUATOR

FIXED CONTACT/TERMINAL

MOVING CONTACT

BASE

1.40
[.055]
TYP

4.24
[.167]

3.25
[.128]

2.69±0.10
[.106±.004]

2.54
[.100]
TYP

1.57^{+0.00}_{-0.20}
[.062^{+0.000}_{-.008}]
TYP

0.61^{+0.00}_{-0.10}
[.024^{+0.000}_{-.004}]
TYP

0.99
[.039]
TYP

1.30
[.051]
STROKE

0.99
[.039]
TYP

0.25
[.010]
TYP

8.13±0.50
[.320±.020]

PIN 1

PIN 8

PIN 4

+V in

ELECTRICAL SCHEMATIC

ARF SERIES ONLY

RATED POWER	RESISTANCE	TOLERANCE	MAX VOLTAGE
125mW	3.3KΩ (RED) 10KΩ (GREEN)	±5% @ 85°C	24V

0.61
[.024]
TYP

1.57
[.062]
TYP

9.29±0.30
[.366±.012]
TYP

0.20±0.10
[.008±.004]

0.78
[.031]
TYP

ARE

ARF

SURFACE MOUNT

2.54
[.100]
TYP

7.62
[.300]

2.54
[.100]
TYP

ø0.79^{+0.18}_{-0.00}
[ø.031^{+0.007}_{-.000}]
TYP

2.54
[.100]

2.16
[.085]

8.26
[.325]
[0.41
[.410]

6.10
[.240]

1.52
[.060]

P.C. LAYOUT

INSERT MOUNT

RECOMMENDED BOARD LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
M.BINNER
27MAR06

CHK
M. SARVER
15FEB05

APVD
M. SARVER
15FEB05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:
mm [INCHES]

0 PLC ± -
1 PLC ± -
2 PLC ± 0.30[.012]
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

NAME

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

Tyco Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

DIP SWITCH, ARE/F SERIES

A200779

C=1825428

SCALE 4:1

SHEET 1 of 1

REV C1

AMP 1471-9 REV 31MAR2000

1825428

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