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LOCAD

DIST00

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

Notes

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

2. SWITCHES TO HAVE WHITE ACTUATORS AND MARKINGS

3. SWITCHES SUPPLIED IN THE "OFF" POSITION AND PACKAGED IN CLEAR TUBES TO ACCOMMODATE AUTO-INSERTION

4 SURFACE MOUNT

5 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

	DIM L	POLES	T&B P/N	PART NUMBER
OBSOLETE 5	22.30[.878]	8	ARF083.3K04	1-1825428-2
	22.30[.878]	8	ARF0810KT04	1-1825428-1
	1214[.478]	4	ARF043.3KT04	1-1825428-0
	1214[.478]	4	ARF043.3K04	-1825428-9-
	7.06[.278]	2	ARF023.3K04	-1825428-8-
	22.30[.878]	8	ARE0810KS04	1-1825428-7
	22.30[.878]	8	ARE0810K04	1825428-6
5 OBSOLETE	1214[.478]	4	ARE043.3K04	-1825428-5-
5 OBSOLETE	22.30[.878]	8	ARF0810K04	1825428-4
	1214[.478]	4	ARF0410K04	-1825428-3-
	27.38[1.078]	10	ARE103.3K04	1825428-2
	22.30[.878]	8	ARE083.3K04	1825428-1

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DWN M.BINNER 27MAR06
CHK M. SARVER 15FEB05
APVD M. SARVER 15FEB05

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.30[.012]
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH -

MATERIAL -

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
DIP SWITCH, ARE/F SERIES

SIZE A2
CAGE CODE 00779
DRAWING NO C=1825428
RESTRICTED TO -

SCALE 4:1
SHEET 1 of 1
REV C1

DIM L

1 2 3 4

OFF

DATE CODE

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

PIN 1

PIN 8

PIN 4 +V in

PIN 5

ELECTRICAL SCHEMATIC
ARF SERIES ONLY

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

2.54
[.100]
TYP

7.62
[.300]

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

P.C. LAYOUT
INSERT MOUNT

0.99
[.039]
TYP

1.30
[.051]
STROKE

0.99
[.039]
TYP

0.25
[.010]
TYP

8.13±0.50
[.320±.020]

ARE

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

SURFACE MOUNT

2.54
[.100]

2.16
[.085]

8.26
[.325]
[0.41
[.410]

6.10
[.240]

1.52
[.060]

RECOMMENDED BOARD LAYOUT

AMP 1471-9 REV 31MAR2000