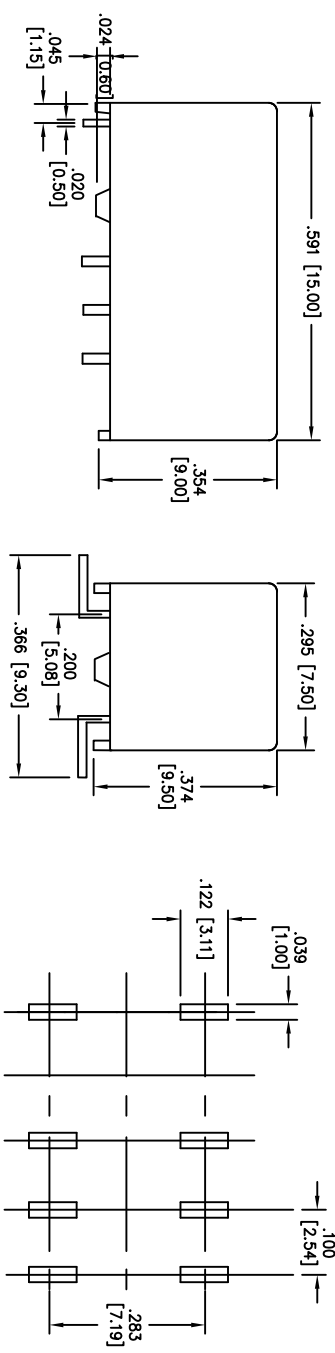


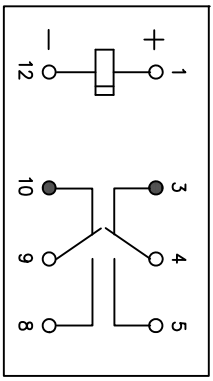
Rev	AWO #	Description	Date	Appr
-		RELEASED	7/15/10	

APPROVED: _____
 DATE: _____ TITLE: _____

RECOMMENDED PCB LAYOUT
 (Bottom View)



WIRING DIAGRAM
 (Bottom View)



PART NO.	Nominal Voltage	Pick-up Voltage	Drop-out Voltage	Coil Resistance	Nominal Power	Max. Allowable Voltage
RT3-1.5-L1-SMT-A	1.5VDC	1.13VDC	0.15VDC	16Ω	140 mW	2.2 VDC
RT3-3-L1-SMT-A	3VDC	2.25VDC	0.3VDC	64.3Ω	140 mW	4.5 VDC
RT3-4.5-L1-SMT-A	4.5VDC	3.38VDC	0.45VDC	145Ω	140 mW	6.7 VDC
RT3-5-L1-SMT-A	5VDC	3.75VDC	0.5VDC	178Ω	140 mW	7.5 VDC
RT3-6-L1-SMT-A	6VDC	4.5VDC	0.6VDC	257Ω	140 mW	9 VDC
RT3-9-L1-SMT-A	9VDC	6.75VDC	0.9VDC	579Ω	140 mW	13.5 VDC
RT3-12-L1-SMT-A	12VDC	9VDC	1.2VDC	1028Ω	140 mW	18 VDC
RT3-24-L1-SMT-A	24VDC	18VDC	2.4VDC	4114Ω	140 mW	36 VDC
RT3-48-L1-SMT-A	48VDC	36VDC	4.8VDC	8533Ω	270 mW	57.6 VDC

SPECIFICATIONS:

Electrical:

Contact arrangement: 2C
 Contact material: AgNi+Au plated
 Contact Rating (Resistive load): 2A @ 30V AC 0.5A @ 125V DC
 Max. Switching Voltage: 250V AC / 220V DC
 Max. Switching Power: 62.5VA / 60W
 Contact resistance: 50 mΩ (at 0.1A 6VDC)
 Insulation resistance: 1000 MΩ min. @ 500V DC
 Dielectric strength:
 Between Coil & Contact: 2000VAC for 1 minute.
 Between Open contacts: 1000VAC for 1 minute.
 Between Contact sets: 1500V AC for 1 minute.
 Operating time: 4ms max. Release time: 4ms max.
 Electrical endurance: 5x100,000 OPS (at 1A30VDC)
 1x100,000 OPS (at 2A30VDC)
 1x100,000 OPS (at 0.5A125VDC)

Mechanical:

Vibration resistance: (Functional) 3.3mm DA 10-55HZ
 (Destructive) 5.0mm DA 10-55HZ
 Shock resistance: (Functional) 980 m/s²
 (Destructive) 980 m/s²
 Mechanical endurance: 100,000,000 OPS
 Temperature Rating: Ambient temperature: -40°C to +85°C
 Environmental:
 Lead free, RoHS compliant
 Recommended soldering temp: 235°C for 5 sec.
 Packaging: Anti-ESD plastic trays
 Safety Agency Approvals: cUL Recognized File No. E305638

ADAM TECH

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 Phone: 908-687-5000 Fax: 908-687-5710

TITLE
 SIGNAL RELAY, 2C

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]		TOLERANCES: EXCEPT AS NOTED	
INCHES		HOLES	
.X	± .10	ØX	± .10
.XX	± .020	ØXXX	± .015
.XXX	± .015	ØXXXX	± .010
APPROVALS		DATE	
DRAWN	DY	7/15/10	
CHECKED			
APPROVED			
SIZE	PART NO.	REF:	SCALE:
X	RT3-XX-L1-SMT-A	S00032C	NTS
			SHEET 1 OF 1

A B C D

A B C D