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3



4

PRODUCT NUMBER  
SEE SHEET 3

PART NUMBER AND  
DATE CODE LABEL

OPTIONAL CHASSIS  
GROUND SPRINGS  
SEE SHEET 3

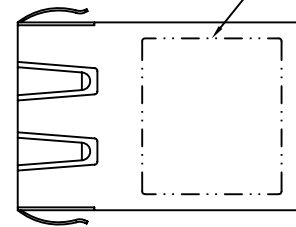
OPTIONAL  
LEFT LED  
SEE SHEET 3

OPTIONAL  
RIGHT LED  
SEE SHEET 3

0.150

SHIELD GROUND TAB

0.640±0.010



1.000 Max

0.130±0.020

0.125±0.020

0.532±0.020  
0.135±0.020

0.425

0.190

0.100

0.130

0.250

mat'l. code				surface		tolerance		projection	product family		
ltr	ec'n no	dr	date	ASME Y14.5	✓	ASME Y14.5	tolerances unless otherwise specified		MODJACK		
G	V05-0875	DAI	09/13/05	angles	line	xxx ±010		INCH	NETJACK, W/LED'S SINGLE PORT ASSY		
H	V06-0161	DAI	02/16/06	0° ±2'				scale 1:1			
J	V06-0631	JRV	2006-07-18	dr	L.POTTEIGER	11/15/02			dwg no		
				engr	J.KONTOS	11/15/02			sheet 1 of 8		
				chr	J.KONTOS	11/15/02			10019407		
				appd	J.KONTOS	11/15/02			size		
sheet	revision	J	J	J	J	J	J	J	type		
index	sheet	1	2	3	4	5	6	7	CUSTOMER Drawing		

form: A4mmX1c

1

2

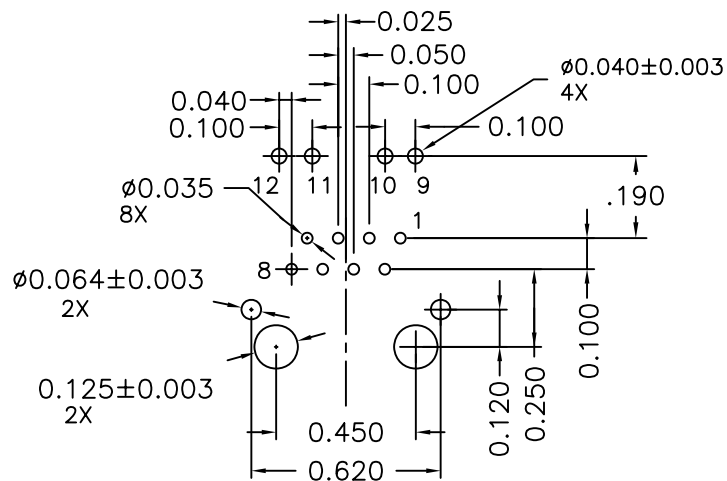
3

4

PDM: Rev:J

STATUS: Released

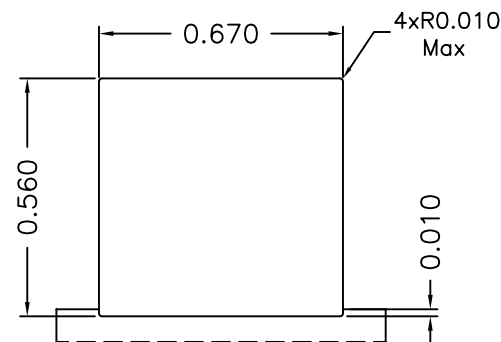
Printed: Sep 02, 2006



### Mounting Pattern:

#### NOTES :

1. RECOMMENDED PCB THICKNESS 0.062".
2. HOUSING MATERIAL: HIGH TEMP. THERMOPLASTIC, COLOR BLACK, UL94V-0.
3. CONTACT:  
MATERIAL: COPPER ALLOY  
MATING AREA PLATING: GOLD OVER NICKEL
4. SHIELD:  
MATERIAL: COPPER ALLOY  
PLATING: NICKEL  
GROUND TABS PLATING: TIN DIPPED



RECOMMENDED PANEL OPENING

5. IF LEAD FREE PART NUMBER, THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.60mm MIN. THICK CIRCUIT BOARD.
6. PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING SPECIFICATION GS-14-920.
7. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.


mat'l. code				surface ASME Y14.5		tolerance ASME Y14.5	projection 	product family MODJACK		
ltr	ecr no	dr	date	tolerances unless otherwise specified				title		
J				angles	line	xxx ±010	INCH	NETJACK, W/LED'S SINGLE PORT ASSY		
				0° ±2°			scale 1:1	dwg no		
				dr	L.POTTEIGER	11/15/02		sheet 2 of		size
				engr	J.KONTOS	11/15/02		10019407		A4
				chr	J.KONTOS	11/15/02		type		
				appd	J.KONTOS	11/15/02		CUSTOMER Drawing		
sheet index	revision sheet									

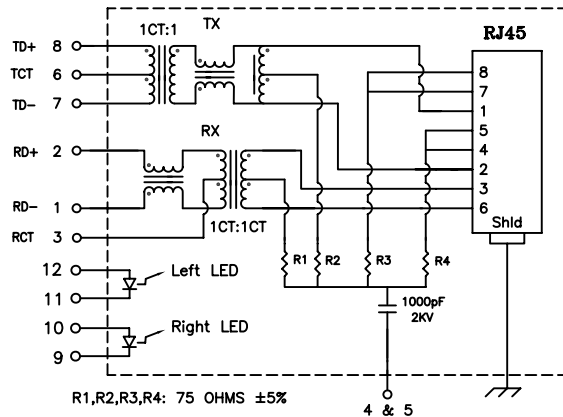
PRODUCT NO.

10019407-XXYZA LF

LEAD FREE

 BLANK = NO  
 LF = YES
OPTIONAL CHASSIS  
GROUND SPRINGS
 0 = WITH  
 1 = WITHOUT
LEFT LED  
COLORS
 0 = NO LED  
 1 = YELLOW  
 2 = GREEN  
 3 = AMBER  
 4 = RED  
 5 = YELLOW/GREEN BI-COLOR
RIGHT LED  
COLORS
 0 = NO LED  
 1 = YELLOW  
 2 = GREEN  
 3 = AMBER  
 4 = RED  
 5 = YELLOW/GREEN BI-COLOR
ELECTRICAL  
CIRCUIT
 01 = SEE PAGE 4  
 02 = SEE PAGE 5  
 03 = SEE PAGE 6  
 04 = SEE PAGE 7  
 05 = SEE PAGE 8





mat'l. code				surface ASME Y14.5		tolerance ASME Y14.5	projection	product family MODJACK	
ltr	ecr no	dr	date	tolerances unless otherwise specified				title	
J				angles	lines	XXX±.010	INCH	NETJACK, W/LED'S SINGLE PORT ASSY	
				0° ±2°			scale 1/1	dwg no	
				dr	L.POTTEIGER	11/15/02		sheet 3 of	size
				engr	J.KONTOS	11/15/02		10019407	A4
				chr	J.KONTOS	11/15/02		type	
				appd	J.KONTOS	11/15/02		CUSTOMER Drawing	
sheet index	revision sheet								

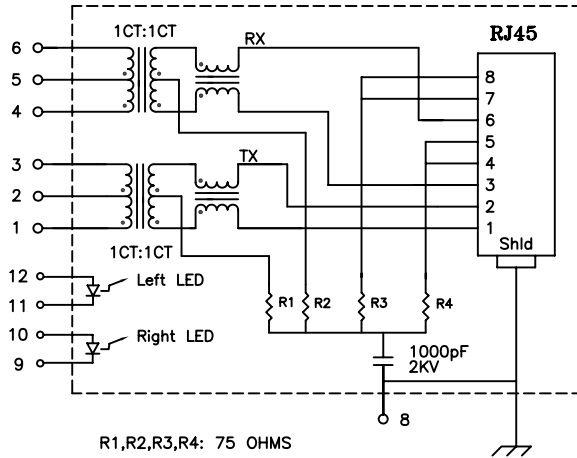
**Schematic: for P/N 10019407-01YZA OR -01YZALF**

NOTE: CONNECT CHS GND TO PCB GROUND

**Electrical Specifications: @25°C**

Isolation Voltage: 1500 Vrms (INPUT to OUTPUT)  
Isolation Voltage: 500 Vrms (8+6+7-2+1+3)  
TURNS RATIO: TX 1CT:1  $\pm 5\%$  RX 1CT:1CT  $\pm 5\%$   
OCL: 350uH Minimum @100KHz 100mV 8mADC  
Insertion Loss (1MHz-100MHz): -1.0dB Max  
Return Loss: 30MHz -16dB Typical  
60MHz -14dB Typical  
80MHz -12dB Typical  
CROSSTALK: 1MHz-100MHz -35dB Minimum  
CMRR: 1MHz-100MHz -35dB Minimum




mat'l. code				surface ASME Y14.5 ✓		tolerance ASME Y14.5		projection 		product family MODJACK					
ltr	ecn no	dr	date	tolerances unless otherwise specified					title NETJACK, W/LED'S SINGLE PORT ASSY						
J				angles		XXX±.010									
				0° ±2'					scale						
				dr	L.POTTEIGER	11/15/02			dwg no		sheet 4 of		size		
				engr	J.KONTOS	11/15/02			10019407		A4				
				chr	J.KONTOS	11/15/02									
				appd	J.KONTOS	11/15/02									
sheet index		revision sheet													

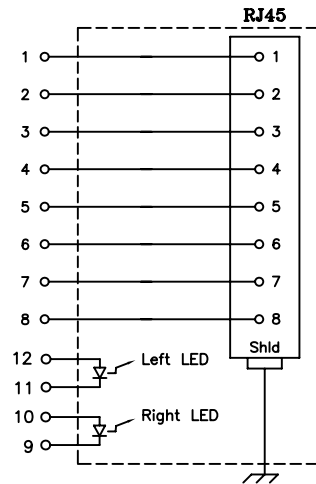
**Schematic: for P/N 10019407-02YZA OR -02YZALF**


NOTE: CONNECT CHS GND TO PCB GROUND

**Electrical Specifications: @25°C**


Isolation Voltage: 1500 Vrms (Input to Output)  
 Isolation Voltage: 500 Vrms (P1+2+3 to P4+5+6)  
 Turns Ratio: TX 1CT:1CT  $\pm 3\%$  RX 1CT:1CT  $\pm 3\%$   
 CABLE SIDE OCL: 350uH Minimum @100KHz 100mV 8mADC  
 Cw/w: 27pF Typical @100KHz 100mV  
 Insertion Loss (300KHz-100MHz): -1.0dB Minimum  
 Return Loss: @30MHz -18dB Minimum  
                   @80MHz -12dB Minimum

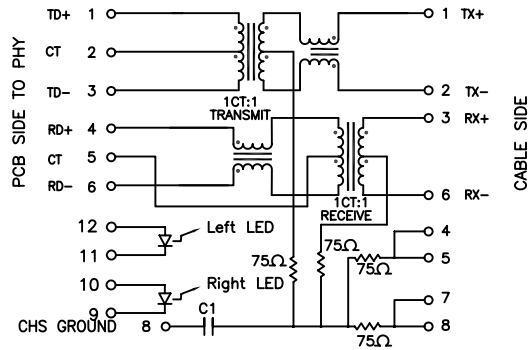
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ltr	ecn no	dr	date	tolerances unless otherwise specified							title  NETJACK, W/LED'S SINGLE PORT ASSY			
J				angles	linear	XXX±.010		scale						
				0° ±2°										
				dr	L.POTTEIGER	3/17/03			dwg no					
				engr	J.KONTOS	3/17/03			10019407					
				chr	J.KONTOS	3/17/03								
				appd	J.KONTOS	3/17/03								
sheet index		revision sheet								type CUSTOMER Drawing				

**Schematic: for P/N 10019407-03YZA OR -03YZALF****Electrical Specifications: @25°C**

Isolation Voltage: 500 Vrms (WIRE to WIRE)

No Magnetics

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection	product family MODJACK		
ltr	ecr no	dr	date	tolerances unless otherwise specified			title NETJACK, W/LED'S SINGLE PORT ASSY		
J				angles	XXX±.010				
				0° ±2°		INCH	dwg no 10019407		
						scale			
				dr	L.POTTEIGER	3/17/03	sheet 6 of A4		
				engr	J.KONTOS	3/17/03			
				chr	J.KONTOS	3/17/03	type CUSTOMER Drawing		
				appd	J.KONTOS	3/17/03			
sheet index	revision sheet								

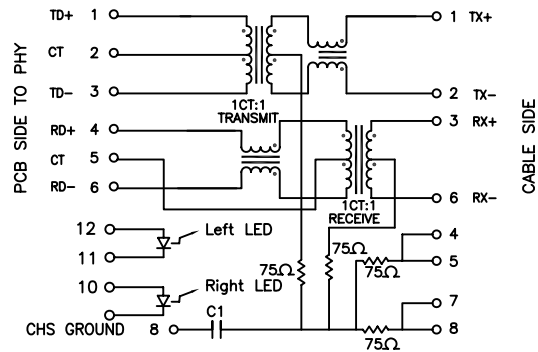
**Schematic: for P/N 10019407-04YZA OR -04YZALF**

NOTE: CONNECT CHS GND TO PCB GROUND

**Electrical Specifications: @25°C**

Isolation Voltage: 1500 Vrms (INPUT TO OUTPUT)  
TURNS RATIO: TX 1CT:1 RX 1CT:1CT  
OCL: 350uH Minimum OCL WITH 8 mA BIAS CURRENT  
Insertion Loss (1MHz-65MHz): -1.0dB Max  
Return Loss: 30MHz -16dB Typical  
60MHz -12dB Typical  
80MHz -10dB Typical  
CROSSTALK: 1MHz-100MHz -30dB Minimum  
CMRR: 1MHz-50MHz -30dB Minimum  
50MHz-150MHz -20dB Minimum




mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family MODJACK		
ltr	ecm no	dr	date	tolerances unless otherwise specified			title		
J				angles	lines	INCH	NETJACK, W/LED'S SINGLE PORT ASSY		
				0° ±2°	XXX±.010	scale	dwg no		
				dr	L.POTTEIGER	11/15/02	sheet 7 of		
				engr	J.KONTOS	11/15/02	10019407		
				chr	J.KONTOS	11/15/02	size		
				appd	J.KONTOS	11/15/02	A4		
sheet	revision						type		
index	sheet						CUSTOMER Drawing		

**Schematic: for P/N 10019407-05YZA OR -05YZALF**


NOTE: CONNECT CHS GND TO PCB GROUND

**Electrical Specifications: @25°C**

Isolation Voltage: 1500 Vrms (INPUT TO OUTPUT)  
 TURNS RATIO: TX 1CT:1 RX 1CT:1CT  
 OCL: 350uH Minimum OCL WITH 8 mA BIAS CURRENT  
 Insertion Loss (1MHz-65MHz): -1.0dB Max  
 Return Loss: 30MHz -16dB Typical  
                   60MHz -12dB Typical  
                   80MHz -10dB Typical  
 CROSSTALK: 1MHz-100MHz -30dB Minimum  
 CMRR: 1MHz-50MHz -30dB Minimum  
           50MHz-150MHz -20dB Minimum

mat'l. code				surface ASME Y14.5 ✓		tolerance ASME Y14.5		projection 		product family MODJACK				
ltr	ecn no	dr	date	tolerances unless otherwise specified						title				
J				angles		linear			INCH 		NETJACK, W/LED'S SINGLE PORT ASSY			
				0° ±2'			XXX±.010							
									scale		dwg no 10019407			
				dr	L.POTTEIGER		3/2/04							
				engr	J.KONTOS		3/4/04							
				chr	J.KONTOS		3/4/04							
				appd	J.KONTOS		3/4/04				sheet 8 of		size A4	
										type CUSTOMER Drawing				
sheet index		revision sheet												