



THERMISTOR A TO PINS 1&2
THERMISTOR B TO PINS 3&4

THERMISTORS POTTED INTO TIP
SIDE BY SIDE ALIGNMENT REQUIRED

BILL OF MATERIALS	QTY
STYCAST #2850 EPOXY W/23LV CAT	.04cc
THERMISTOR ELEMENTS (SEE SPEC)	2
THERMOWELL ASSEMBLY (SEE SPEC)	1
LEAD WIRES (SEE SPEC)	4
MOLEX HOUSING (SEE SPEC)	1
MOLEX TERMINAL (SEE SPEC)	4

ELECTRICAL CHARACTERISTICS:
 R25C=10K OHMS ±0.2C (0C TO 50C)
 FINAL TEST: R37C=6016 OHMS ±0.2C
 NTC=-4.4%/C @ 25C, CURVE Z
 OPERATING TEMPERATURE: -55C TO 100C
 STORAGE TEMPERATURE: -55C TO 125C

MECHANICAL CHARACTERISTICS:
LEADS:
 #30 AWG SILVERED COPPER CONDUCTOR, 7/38 STRAND TYPE ET, TEFLON INSULATION.
 THERMISTOR A: BLACK INSULATION
 THERMISTOR B: YELLOW INSULATION
 QTI P/N: QT01004-141-1,2
HOUSING:
 305 STAINLESS STEEL TUBE, THERMOWELL ASSEMBLY. QOSINA P/N: 27206
 QTI P/N: QT01005-286
CONNECTOR:
 MOLEX HOUSING: 43645-0400
 MOLEX TERMINAL: 43030-0012

NOTE: THE HOUSING WILL NOT TO SEE ANY TEMPERATURES ABOVE 35C OR ANY LIQUIDS DURING THE MANUFACTURING PROCESS.

1. EPOXY CURE IS TO BE AT ROOM TEMPERATURE ONLY
2. FINAL ELECTRICAL AQL TO BE PERFORMED BEFORE POTTING.



NOTES:
 100% INSULATION RESISTANCE TEST FROM "BEAD TO HOUSING" AND "BEAD TO BEAD".
 PARAMETERS: V=500VRMS
 IR=5MEG OHMS MIN.

	INITIAL	DATE
DRAWN	DM	10/24/08
ENG APPR.	<i>Jay Kochauer</i>	10 24, 2008
MAT APPR.	<i>Jim Lauer</i>	Oct 28, 2008
Q.A. APPR.	<i>Walter Wheat</i>	Oct 24, 2008

QTI PART NUMBER: **QT06005-318** REV **A**

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ±1/8
 .X ±0.1
 .XX ±0.02
 .XXX ±0.005

SIZE **A** CUSTOMER REF. P/N **100003239 Rev.2**

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DATE	REVISION	INITIAL
10/24/08	A	DM
2/25/08	-	DM