

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	REV A	DESCRIPTION ECN 301	DATE 3/6/09	APPROVED JWM

-TEMPERATURE: MXI = 32*i, i= 0 to 11 for TC = 1 to 12

Displayed in deg C as:
 2'S complement,
 16 Bits per Word as sign, 11 bits integer, 4 bits fractional
 LSB=1/16 deg C

-COLD JUNCTION TEMPERATURE: MXI = (32*i)+3, i= 0 to 11 for CJ = 1 to 12

Displayed in deg C as,
 unsigned binary,
 8 bits integer, 5 bits fractional
 LSB=1/32 deg C = 0.03125 deg C,
 in LSB's of 16 bit PCM word,

Deg C	Digital Code
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-55	0
-40	480
0	1760
+85	4480

-BOARD TEMPERATURE: MXI = 384, 385, 386, 387

Displayed in deg C as,
 2'S complement,
 SIGN, 7 bits integer, 2 bits fractional
 LSB=1/4 deg C
 in LSB's of 16 bit PCM word,

Deg C	Digital Code
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-40	\$360=864
0	0
+85	340

CONTRACT NO.		QUAD TRON, INC.			
APPROVALS		DATE		MI_TC, MANUAL	
DRAWN	MJC	3/4/09			
CHECKED	RHM	3/4/09		SIZE	FSCM NO.
ISSUE	JWM	3/4/09		A	OBPE4
				DRAWING NO.	REV. A
				58 -2636	SHEET 1 OF 1