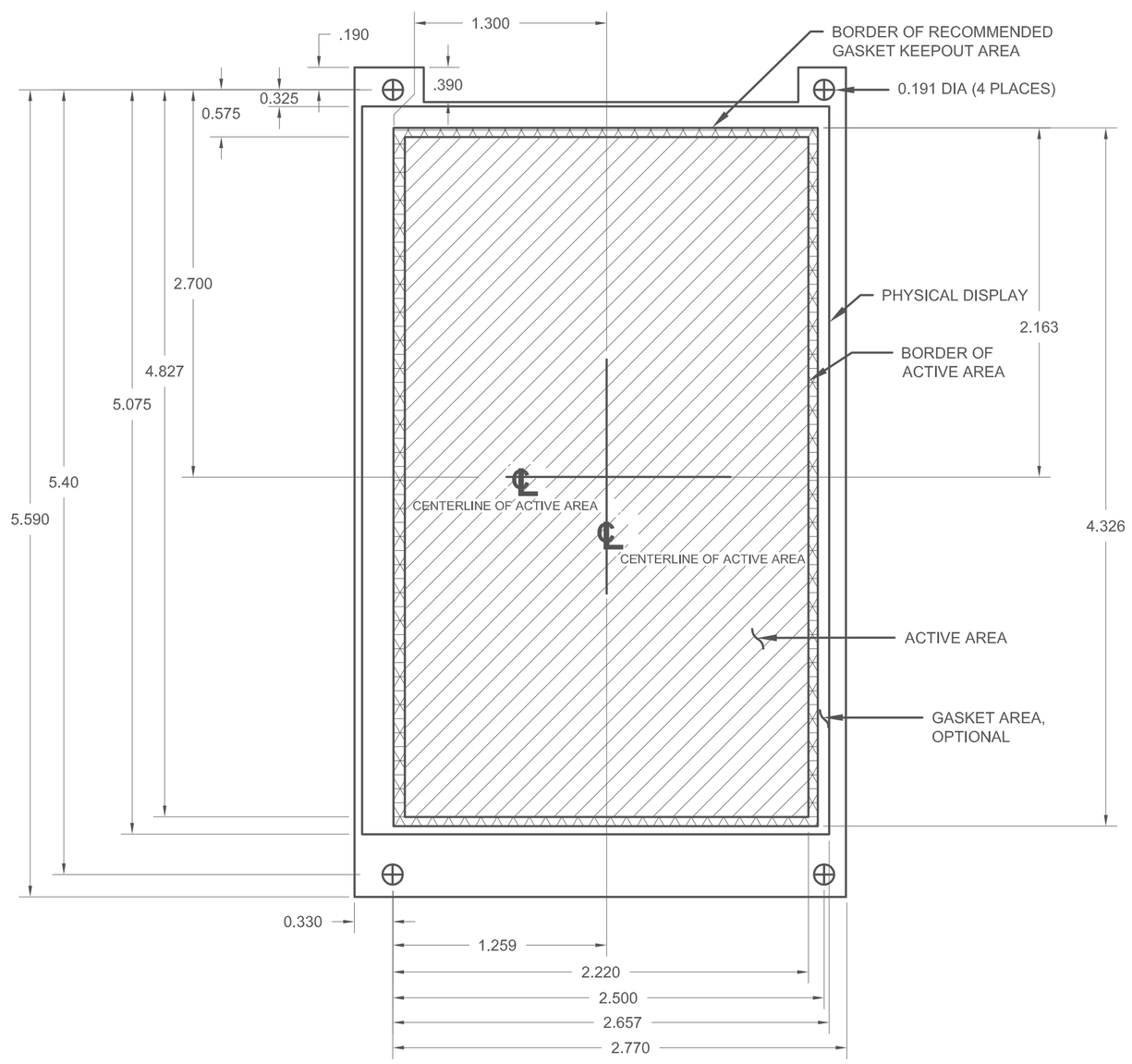

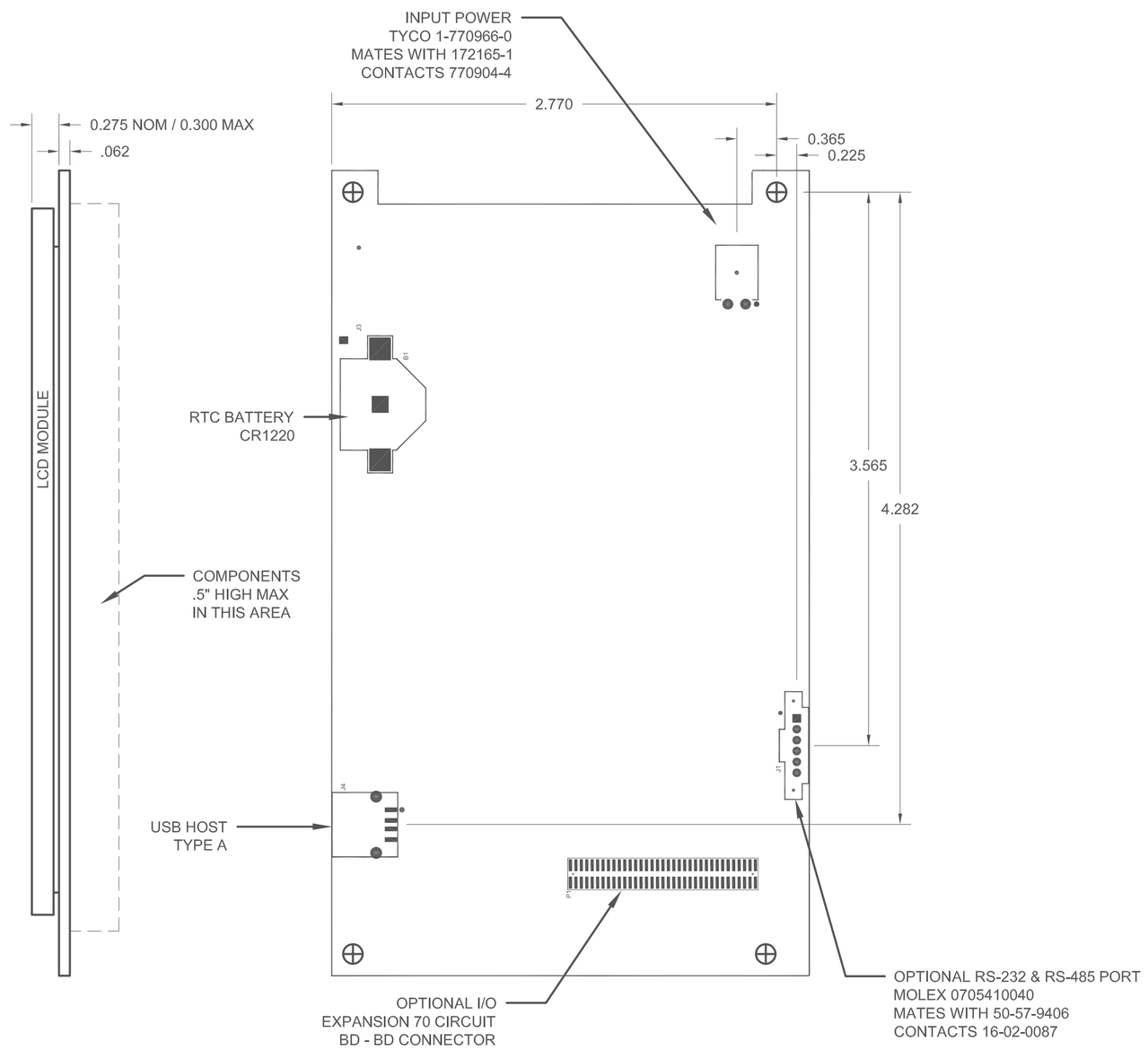

SPECIFICATIONS:

BASE BOARD CONFIGURATION:

- DISPLAY - 5" WVGA TFT LCD, 800 X 480 COLOR GRAPHIC W/4 WIRE RESISTIVE TOUCH PANEL.
- CPU - NXP # LPC1788 CORTEX M3.
- INPUT POWER - 10 - 30 VDC, 350mW MAX.
- OPERATING TEMPERATURE: 0°- 70°.
- STORAGE TEMPERATURE: -30°- 80°C.
- INSTALLED BOOT LOADER FOR LOADING APPLICATIONS VIA USB HOST PORT.
- 512 KB FLASH FOR APPLICATION PROGRAM.
- 96 KB SRAM.
- 4 KB EEPROM.
- REAL TIME CLOCK (RTC) W/BATTERY BACKUP.
- ON BOARD SPEAKER.
- USB HOST PORT W/FLASH DRIVE SUPPORT.

BASE BOARD OPTIONS:

- INTERFACE TO REMOTE TOUCH PANEL.
- 10 - 30 VAC OR 5 VDC POWER INPUT.
- 8 / 16 / 32 / 64 MB NOR FLASH.
- 8 / 16 / 32 / 64 MB SDRAM.
- RS-232 OR RS-485 PORT.
- 70 PIN I/O CONNECTOR TO EXPANSION BOARD.

EXPANSION BOARD OPTIONS:

- RS-232, RS-485, CANBUS, I^2C, SPI PORTS.
- uSD CARD, HIGH SPEED 4 bit INTERFACE.
- CUSTOM POWER SUPPLY REQUIREMENTS.
- APPLICATION SPECIFIC I/O, ANALOG AND DIGITAL.
- ETHERNET PORT.
- WI-FI RADIO.
- USB HOST AND OTG.
- OTHERS BASED UPON APPLICATION REQUIREMENTS.

NOTE:

THIS ITEM TO BE MANUFACTURED WITH MATERIALS AND PROCESSES COMPLIANT TO THE ROHS DIRECTIVE 2002/95/EC. ALL PACKAGES MUST BE MARKED AS ROHS COMPLIANT.

REV.	DESCRIPTION	DATE	DR.	CH.
A	INITIAL RELEASE	11/25/15	RH	WAJ

REVISIONS

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M-Wave Controls
100 HIGH GROVE BLVD
GLENDALE HEIGHTS, ILLINOIS 60139

DR.	DATE	CH. / DATE	APP. / DATE
RH	5/25/15	WAJ 11/25/15	WAJ 11/25/15

SHEET 1 of 1 | SCALE NONE | TOLERANCES NOT SPECIFIED | DECIMAL +/- .005" | FRACTIONAL +/- 1/16" | ANGULAR +/- 1 deg.

SIZE D | DRAWING NAME FAMILY SPECIFICATION, 5" WVGA | PART NO. 99MC5200_ _ | REV. A