STANDOFFS SHOULD BE OF A MINIMUM LENGTH TO ACCOMMODATE THE HEIGHT OF THE MOTHERBOARD COMPONENTS PLUS .17. APPLICATION EXAMPLES ON SHEETS 2 AND 3 ALLOW FOR MOTHERBOARD COMPONENT HEIGHTS OF .33 AND ZERO RESPECTIVELY.

MATING CONNECTORS OR SOCKETS SHOULD ACCOMMODATE THE APPROPRIATE RANGE OF PIN INSERTION DEPTH. THE RANGE IS DEPENDENT ON STANDOFF LENGTH AND CONNECTOR HEIGHT, ASSUMING THE TOTAL TOLERANCE FOR THESE DIMENSIONS IS ±0.010, THE MINIMUM PIN INSERTION DEPTH WOULD BE (.31 + CONNECTOR HEIGHT - STANDOFF LENGTH). THE MAXIMUM DEPTH WOULD BE .05 GREATER THAN THE MINIMUM.

DUAL RJ-45 JACK (NEAR SIDE)

.010 MAX COMPONENT HT

.077 MAX

.13 MAX

.150 MAX

.240

1.00

.020

.46 MAX

.11 MAX

.50 POSITION

.100 X .100 HEADER MOUNTED ON FAR SIDE (2 PLACES)

.125 MTG HOLE OPTIONAL: USE .19 OD #4 INSULATING STANDOFF ON FAR SIDE; AND .22 MAX OD #4 INSULATING WASHER WITH #4 PAN HEAD SCREW OR HEX NUT ON NEAR SIDE.

SOLDER SIDE OF MODULE SHOWN
APPLICATION SAMPLE 1

.38 MAXIMUM MOTHERBOARD COMPONENT HEIGHT

COMPONENT SIDE OF MOTHERBOARD SHOWN
APPLICATION SAMPLE 2
MINIMUM STACK HEIGHT (ZERO MOTHERBOARD COMPONENT HEIGHT)

OUTLINE OF MODULE

SOCKET FOR .025 SQ PIN
MILL-MAX 4280-0-67-80-16-27-10-0
(100 PLACES)

MOTHERBOARD

OPTIONAL:
4-40 SMALL PATTERN HEX NUT
MCMASTER P/N 90730A005
+$
#4 INSULATING WASHER, SMALL
MCMASTER P/N 90295A059

OPTIONAL:
4-40 X .43
PAN HEAD SCREW
MCMASTER P/N 91772A109
+$
#4 INSULATING WASHER, SMALL
MCMASTER P/N 90295A059

OPTIONAL:
.19 OD X .125 LONG
4-40 INSULATING STANDOFF
LYN-TRON P/N NY6940-0440-0.125-00

COMPONENT SIDE OF MOTHERBOARD SHOWN