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 ±.010, THE MINIMUM PIN INSERTION DEPTH WOULD BE (.31 + CONNECTOR HEIGHT - STANDOFF LENGTH). THE MAXIMUM DEPTH WOULD BE .05 GREATER THAN THE MINIMUM.

SOLDER SIDE OF MODULE SHOWN

DIM A (SEE TABLE)
APPLICATION SAMPLE 1

.33 MAXIMUM MOTHERBOARD COMPONENT HEIGHT

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

DIM B (SEE TABLE, SHT 1)

.400
.100 TYP

DIM B (SEE TABLE, SHT 1)

.11 MAX

.100 TYP

SOCKET FOR .025 SQ PIN
MIL-MAX P/N 0285-0-15-80-16-27-10-0
(110 PLACES)

OPTIONAL: .114 MTG HOLE
(2 PLACES)

OUTLINE OF MODULE

OPTIONAL: 4-40 X .31
PAN HEAD SCREW
MCMaster P/N
91772A107
+
#4 INSULATING WASHER, SMALL
MCMaster
90295A059

OPTIONAL:
4-40 X .31
PAN HEAD SCREW
MCMaster P/N
91772A107
+
#4 INSULATING WASHER, SMALL
MCMaster
90295A059

MOTHERBOARD

.40 MAX
.33 MAX
.28 MAX
.125 MAX

COMPONENT SIDE OF MOTHERBOARD SHOWN