OPTIONALLY, USE 3/16 INCH DIA #4 STANDOFFS OR SPACERS FOR MOUNTING. FOR SOLDER PIN CLEARANCE, THE MODULE NEEDS .09 INCH MINIMUM DISTANCE BETWEEN THE MODULE PCB AND A PANEL ON THE SOLDER SIDE. USE .22 INCH DIA INSULATING WASHERS AND #4 PAN HEAD SCREWS TO MOUNT STANDOFFS OR SPACERS. APPLICATION EXAMPLE ON SHEET 2 SHOWS USE OF CABLES ON CONNECTORS JP1 AND JP3. APPLICATION EXAMPLE ON SHEET 3 SHOWS USE OF MOTHERBOARD AND ALLOWS COMPONENT HEIGHT OF .33 INCH UNDER THE MODULE. APPLICATION EXAMPLE ON SHEET 4 SHOWS USE OF MOTHERBOARD WITH MINIMUM ASSEMBLY HEIGHT, NOT ALLOWING COMPONENTS UNDER THE MODULE.

COMPONENT SIDE OF MODULE

SOLDER SIDE OF MODULE

NOTES: UNLESS OTHERWISE SPECIFIED

TOLERANCES:

- DIMENSIONS ARE IN INCHES
- HOLE DIA UP TO .500
- HOLE DIA ABOVE .500
- MACHINED SURFACES
- UNLESS OTHERWISE SPECIFIED

- ANGLES ± 0° 30'
- ± .005
- ± .010
- -.002
- -.003
- .02 ± .XXX ± .XXX

- DO NOT SCALE DRAWING
- UNLESS OTHERWISE SPECIFIED

- PROPIETARY INFORMATION
- NOT TO BE COPIED, USED, OR DISCLOSED WITHOUT WRITTEN PERMISSION FROM NETBURNER

- CUSTOMER DRAWING
- MODEL SBL2e-200IR
- THIRD ANGLE PROJECTION

- APPROVED
- DRAWN
- REVISE OR UPDATE
-cad/cam drawing
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- PROPRIETARY
- REVISE OR UPDATE
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- SOLDER SIDE
- OF MODULE

- COMPONENT SIDE
- OF MODULE

- JP3

- JP1
APPLICATION SAMPLE 1
CABLES AT JP1 AND JP3, MODULE MOUNTED ON METAL PANEL

NOTES (CONT'D):

- IF KEYHOLE STANDOFF NOT USED, BOARD SHOULD BE HELD WHILE ENGAGING OR DISENGAGING CONNECTOR TO AVOID BENDING THE MODULE.

MODULE SIDE OF METAL PANEL

- 4-40 X .25 PAN HEAD SCREW
  - MCMASTER P/N 91772A106
- #4 INSULATING WASHER, SMALL
  - MCMASTER P/N 90295A059

OPTIONAL: KEYHOLE STANDOFF CLINCHED ONTO METAL PANEL
- PEM P/N SO-440-2-6

10 SOCKET .100 X .100 CONNECTOR

16 SOCKET .100 X .100 CONNECTOR

METAL PANEL

- 4-40 STANDOFF CLINCHED ONTO METAL PANEL
  - PEM P/N SKC-6060-6

CUSTOMER DRAWING
MODEL SBL2-200IR

SCALE 1:1 SHEET 2 OF 4

PROPRIETARY INFORMATION
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APPLICATION SAMPLE 2
MOTHERBOARD, .33 COMPONENT HEIGHT UNDER MODULE.

NOTES (CONT'D):

1. FOR MOTHERBOARD COMPONENT HEIGHT OTHER THAN .33:
   STANDOFFS SHOULD BE OF A MINIMUM LENGTH TO ACCOMMODATE THE HEIGHT
   OF THE MOTHERBOARD COMPONENTS PLUS .17 (ASSUMING NO COMPONENTS ARE
   UNDER THE RJ-45 CONNECTOR).

2. 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.

COMPONENT SIDE
OF MOTHERBOARD
APPLICATION SAMPLE 3
MOTHERBOARD, NO COMPONENTS UNDER MODULE.

COMPONENT SIDE
OF MOTHERBOARD

OUTLINE OF MODULE

.210

.113 MTG HOLE
(3 PLACES)

.100 TYP

Socket for .025 SQ PIN
MIL-MAX P/N
0285-0-15-80-16-27-10-0
(26 PLACES)

Optional
4-40 X .19 PAN HEAD SCREW
MCMaster P/N
91772A105

#4 Insulating Washer, Small
MCMaster P/N
90295A059

Optional
19 OD X .19 LONG
4-40 STANDOFF (QTY 3)
LYN-TRON P/N
AA6940-0440-0.187-00

Optional
.19 OD X .19 LONG
4-40 X .19 PAN HEAD SCREW
MCMaster P/N
91772A105

#4 Insulating Washer, Small
MCMaster P/N
90295A059

.39 MAX
.27 MAX
.125 MAX