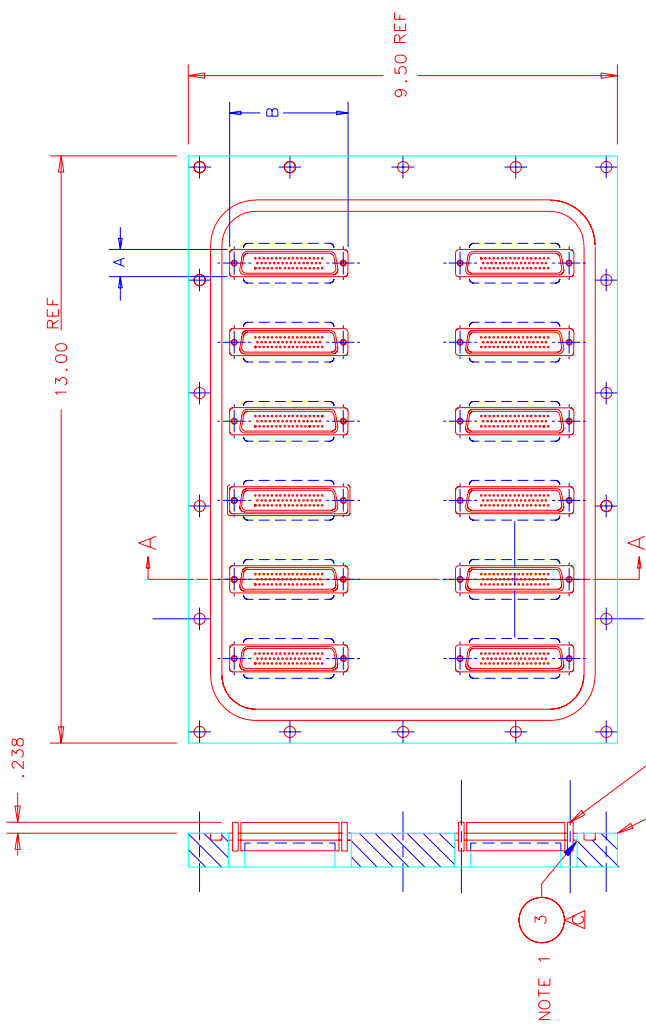


1 2 3 4

REV.	DESCRIPTION	DRAWN APPROVED	DATE
A	WAS SOLDER RECTANGLE DWG. #MB-397001	REEDER C. NILA	8-28-00 8-28-00
B	CONNECTOR CHART ADDED	REEDER C. NILA	9-15-00 9/27/00
C	DET #1 WAS MC-384960 DET #3 WAS #281 SOLDER	REEDER C. NILA	11-21-00 11-27-00



CONNECTOR SIZE Δ

ITEM	DIM A	DIM B
29	.613	2.631
3A	.614	2.625
21	.614	2.627
24	.614	2.629
9	.614	2.621
5A	.614	2.622
22	.614	2.629
5	.614	2.630
13	.615	2.630
4	.615	2.629
33	.617	2.631
8	.617	2.629

- 2: VACUUM LEAK TEST
NO LEAK SHALL BE DETECTABLE
ON THE MOST SENSITIVE SCALE OF
A HELIUM LEAK DETECTOR WITH
A MINIMUM SENSITIVITY OF 10^{-9} ATM CC/SEC
- Δ 1: BONDING PROCEDURE
A: CLEAN BRASS PLATE AND SIDES OF CONNECTORS
B: MIX 2 PART EPOXY THOROUGHLY BY WEIGHT OR VOLUME
C: PLACE PLATE ON A FLAT SURFACE AND INSERT CONNECTORS.
IF NECESSARY, PUT BLOCKS UNDER CONNECTORS TO SUPPORT THEM AT CORRECT HEIGHT
D: APPLY EPOXY EVENLY TO BOTH SURFACES TO BE JOINED
E: COAT THE INNER SURFACE AROUND THE PINS
WITH KL5 SEALANT. SEALANT SHOULD COAT THE GLASS SLEEVES. DO NOT ALLOW SEALANT TO GET ON PINS

ITEM NO.	PART NO.	DESCRIPTION OR SIZE	QTY. REQ.
3	COML	3M SCOTCH WELD EPOXY ADHESIVE #1836 B/A GREEN 2 PART	AS
2	COML	HERMETIC D-SUB THROUGH BULKHEAD DETRONICS #DR7BHS-509-720-LOCKPOST FURNISHED BY FERMLAB	RQ'D 12
1	MC-397172	CONNECTOR HOLDER	1

PARTS LIST

UNLESS OTHERWISE SPECIFIED	ORIGINATOR	AS
.XX	R. SCHMITT	6-00
.XXX	REEDER	6-00
± .02	C. NILA	6-00
± .005	R. SCHMITT	6-00
ANGLES	ME-384956	ITEM 8
±		

✓ MAX. ALL MACHINED SURFACES
SEE PARTS LIST

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

PPD/MECHANICAL SUPPORT
CDMS BREAKOUT BOX
CONNECTOR HOLDER SUB ASSY "D"

SCALE 1/2 DRAWING NUMBER 9213.300-MC-397225 SHEET NO. 1 OF 1 REV. C

1 2 3 4 h1dd.dwg