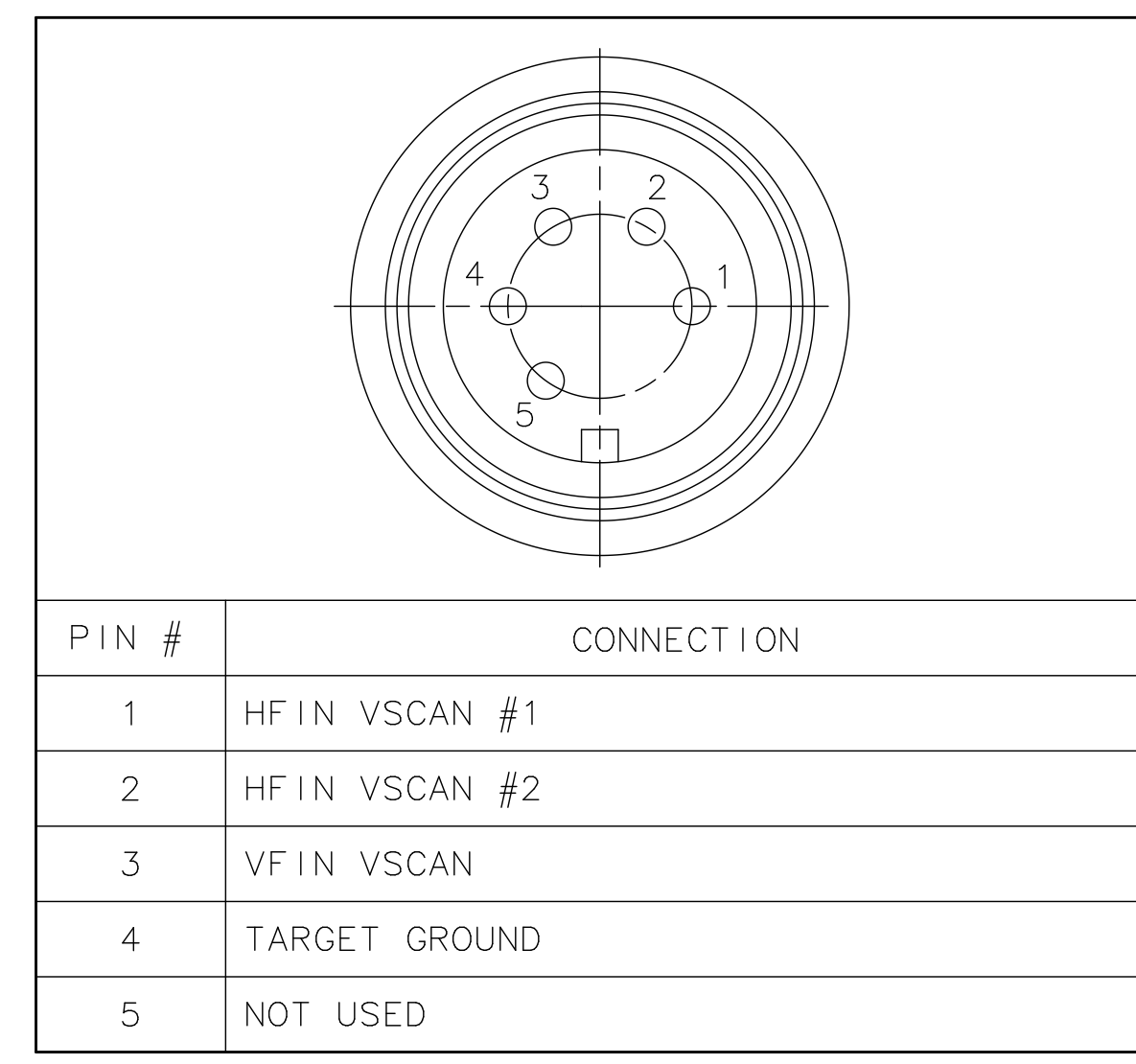
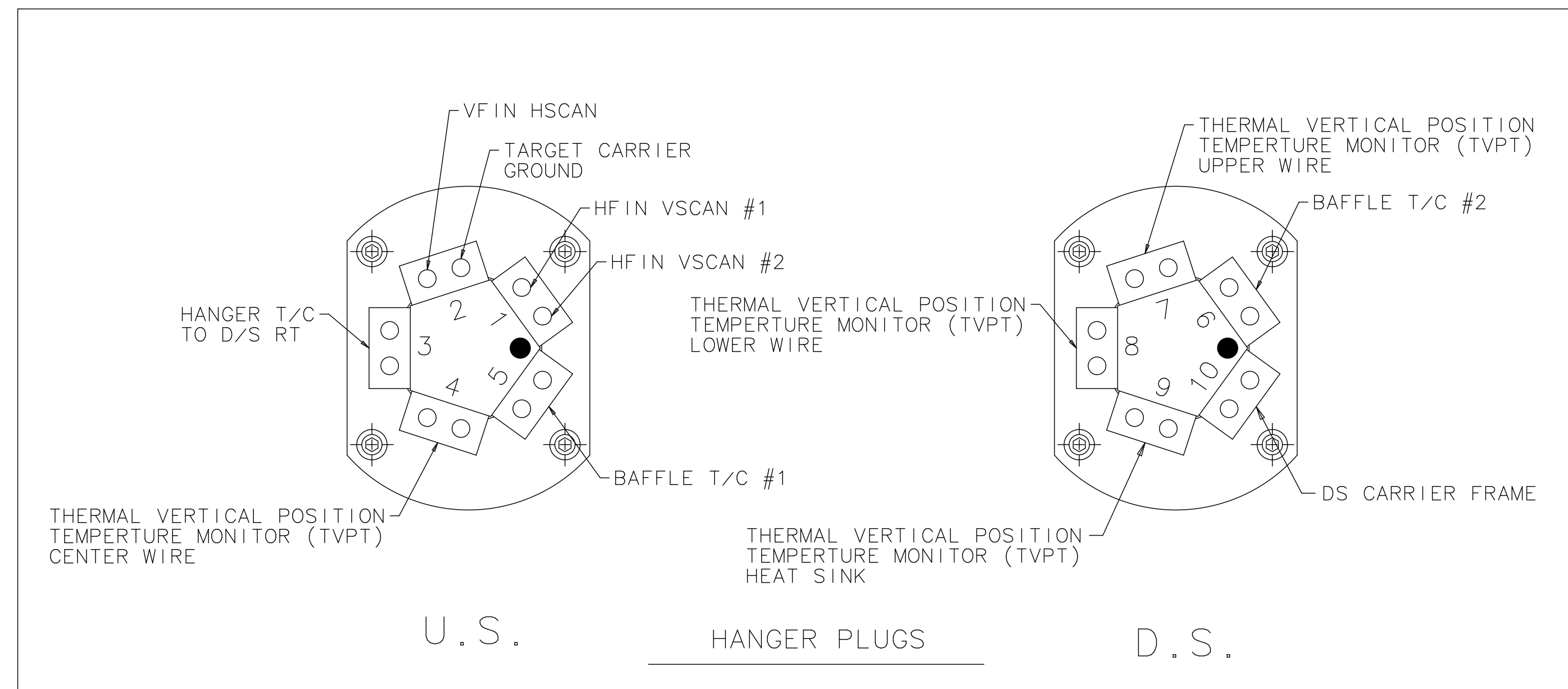


| CONNECTOR | ELECTRICAL CHECK READ OUTS | CABLE NAME | ACNET NAME |
|-----------|---|------------|------------|
| 1 | SMALL PIN - HF IN VSCAN #1 LARGE PIN - HF IN VSCAN #2 READS) BETWEEN SMALL PIN AND LARGE PIN 2.6 Ω OPEN SMALL PIN TO TARGET CAN 7.4 MΩ OPEN LARGE PIN TO TARGET CAN 7.2 MΩ | CG 0092 | E:HFVSL |
| 2 | SMALL PIN - VF IN HSCAN LARGE PIN - CARRIER GROUND READS) BETWEEN SMALL PIN AND LARGE PIN 3.4 Ω BETWEEN SMALL PIN AND TARGET CAN 4.9 MΩ BETWEEN LARGE PIN AND TARGET CAN 4.8 MΩ | CG 0093 | E:VHFSL |
| 3 | HANGER T/C = 42.5 Ω (12" TC LENGTH) | TJ0010 | E:TGHT01 |
| 4 | TVPT CENTER WIRE T/C = 57.8 Ω (60" TC LENGTH) | TJ0011 | E:TGTT1 |
| 5 | BAFFLE T/C #1 = 64.4 Ω (96" TC LENGTH) | TJ0012 | E:BAFT1 |
| 6 | BAFFLE T/C #2 = 58.8 Ω (96" TC LENGTH) | TJ0013 | E:BAFT2 |
| 7 | TVPT UPPER WIRE T/C = 65.4 Ω (60" TC LENGTH) | TJ0014 | E:TGTT2 |
| 8 | TVPT LOWER WIRE T/C = 58.3 Ω (60" TC LENGTH) | TJ0015 | E:TGTT3 |
| 9 | TVPT HEAT SINK T/C = 53.5 Ω (60" TC LENGTH) | TJ0017 | E:TGTT4 |
| 10 | DS CARRIER T/C = 60.2 Ω (60" TC LENGTH) | TJ0026 | E:TGCT01 |



| COMPONENT | SERIAL NUMBERS |
|-----------------|----------------|
| TARGET ASSEMBLY | TA-01 |
| TARGET | MET-01 |
| BAFFLE | MEB-01 |
| TARGET CARRIER | TC-02 |
| US WINDOW | UBW-01 |
| DS WINDOW | DBW-01 |

| REF | ITEM | PART NO. | DESCRIPTION OR SIZE | QTY. |
|-----|------|------------------------|---|------|
| 9 | 1 | OMEGA 1CS5-116U-96 | 1/16" DIA. TYPE-J THERMOCOUPLE (CONNECTIONS 5, AND 6) | 2 |
| 8 | 1 | OMEGA 1CS5-116U-12 | 1/16" DIA. TYPE-J THERMOCOUPLE (CONNECTION 3) | 1 |
| 7 | 1 | OMEGA 1CS5-116U-60 | 1/16" DIA. TYPE-J THERMOCOUPLE (CONNECTIONS 4, 7, 8, 9, AND 10) | 5 |
| 6 | 1 | NEXTEL # XC-116 | WIRE SLEEVE, NEXTEL 312 | A/R |
| 5 | 1 | SEE CHART | WIRE, THERMOCOUPLE W/CON. | A/R |
| 4 | 1 | McMASTER-CARR #5323K14 | BAND CLAMP | 1 |
| 3 | 1 | NOX-J-MF | THERMOCOUPLE CON. (BLACK PAIR) | 8 |
| 2 | 1 | NOX-U-MF | THERMOCOUPLE CON. (WHITE PAIR) | 2 |
| 1 | 1 | ME-433843 | TARGET CARRIER PHASE 3 | 1 |

UNLESS OTHERWISE SPECIFIED

| | | | | | |
|---|---|---|------------|------------|-------------|
| ± | ± | ± | ORIGINATOR | M. MCCREE | 20-MAR-2012 |
| ± | ± | ± | DRAWN | R. STEWART | 20-MAR-2012 |
| ± | ± | ± | CHECKED | | |
| ± | ± | ± | APPROVED | | |

1. BREAK ALL SHARP EDGES
2. DO NOT SCALE DRAWING.
3. DIMENSIONS BASED UPON USED ON
4. MAX. ALL MACH. SURFACES
5. DRAWING UNITS: MATERIAL

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

ANU/NOVA
MEDIUM ENERGY TARGET ASSEMBLY
TA-01 WIRING DIAGRAM

| | | | |
|-------|--------------------|--------|-----|
| SCALE | DRAWING NUMBER | SHEET | REV |
| 3:16 | 8875.000-ME-433885 | 1 OF 1 | |

CREATED WITH: Ideos12NXSeries | GROUP: ACCELERATOR MECH. SUPPL.