

A – Bulkhead Receptacle Amphenol MS-3102E-28-12S

B – 90 o Plug Amphenol MS-3108A-28-12-P

C – 90 o Plug Amphenol MS-3108A-28-12-S

D – Bulkhead Receptacle Amphenol MS-3102E-28-12P

E – Cable – Belden 8315 15 Twisted Pair, 22 AWG with Overall Foil and Braid Shield, 30ft long

F – National Instruments Analog Input Module (AI-100)

G – National Instruments Analog Input/Output Module (AIO-610)

H – National Instruments Digital Input Module (DI-301)

J – National Instruments RTD Input Module (RTD-122)

K – 50 Terminal Strip

L – 50 Terminal Strip

M – Cable – Belden 8302 2 Twisted Pair, 22 AWG with Overall Foil and Braid Shield, 6ft long with free ends. Pairs should be labeled "AB", "CD", etc to aid in installation. Conductor color should be marked on 203-HJT-8001 and 203-HJT-8002.

N – Cable – Belden 8302 2 Twisted Pair, 22 AWG with Overall Foil and Braid Shield, cut to length during installation

Note: All M&N cables are to be used as a single twisted pair for each signal set with the exception of module J (RTD), which will require 3 wires

> U١ 5. 6. 7.

0	ORIGINAL ISSUE	6/15/2006	VBG	VBG	8. 9.
REV	DESCRIPTION	DATE	BY	APPROVED	10

THIRD-ANGLE PROJECTION	This drawing was prepared by ORNL solely for use in work performed under Department of Energy contract number DE-AC05-00OR22725 and applicable Work for Others Agreements and Cooperative Research and Development Agreements. This drawing is property of ORNL and must be returned upon request.			OAK RIDGE NATIONAL LABORATORY operated for the U.S. Department of Energy under contract DE-AC05-000R22725 Oak Ridge, TN						
NLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES INTERPRET DIMENSIONS AND				NSTE REMOTE SYSTEMS GROUP NUCLEAR SCIENCE & TECHNOLOGY DIVISION						
TOLERANCES PER ASME Y14.5M MACHINED FINISH 125 MICRO- INCHES RMS CONCENTRICITY .010 TIR	DES DRW									
MACHINED ANGLES ±1/2° FORMED ANGLES ±1° BREAK SHARP CORNERS AND REMOVE ALL BURRS WHOLE NUMBERS AND	CHK ENG				(CONTR	OL SCHEMATI	C		
FRACTIONS ±1/16 X DECIMALS ±.030 XX DECIMALS ±.010				CAD FI	LE		PREV ASSY	SCALE 1:1	SHEET 1 of 1	
XX DECIMALS ±.010 XXX DECIMALS ±.005	-	- /ING APPROVALS	- DATE	size C	DWG NO.	20	3-HJT-8000	1.1	REV 0	

DWG NO. 203-HJT-8000