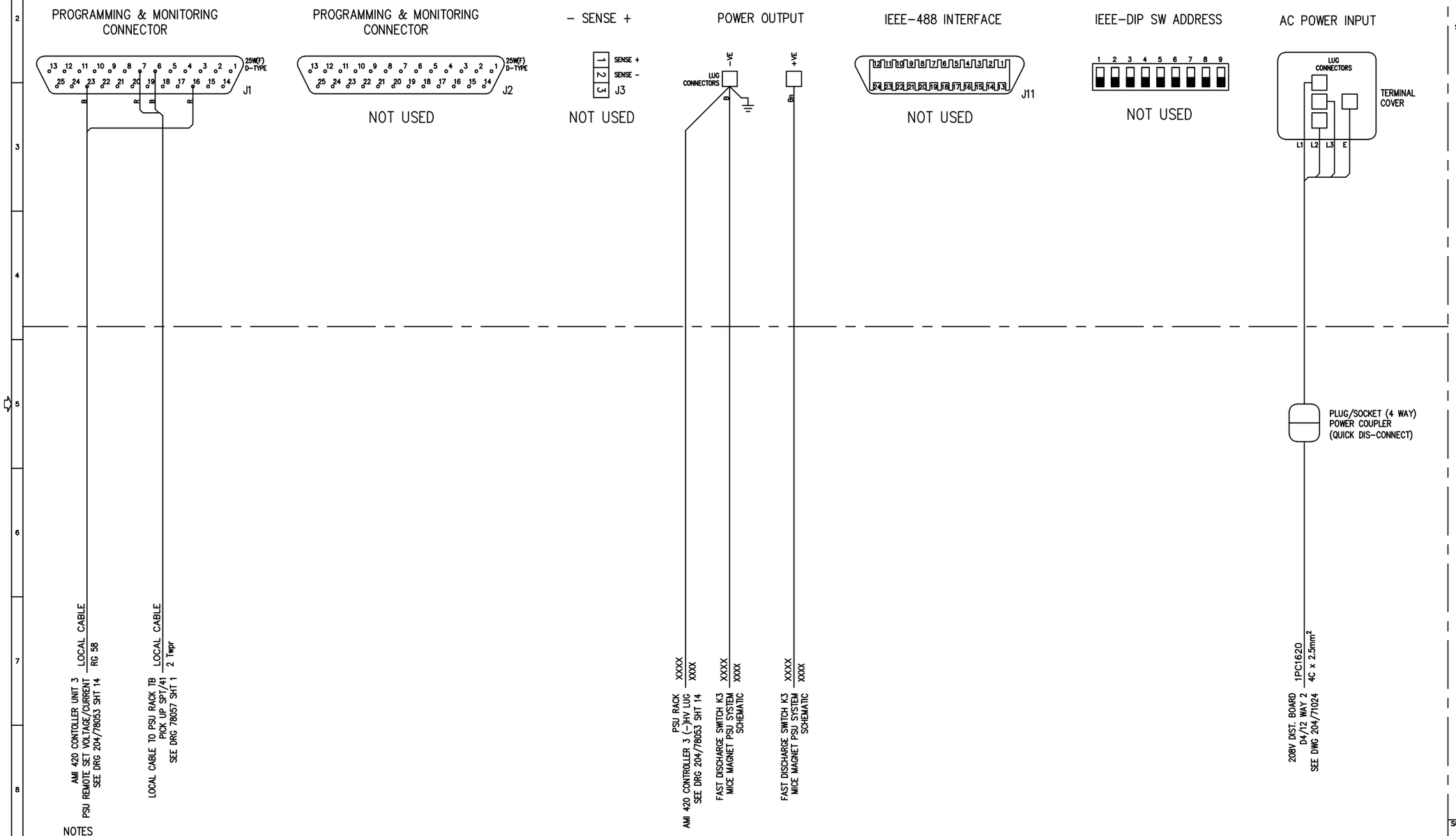
DRG No A0-204/78053 SHT 9 OF 16

DRAWING PRACTICE TO BS308 – THIRD ANGLE PROJECTION

POWER TEN PSU 20V, 300A UNIT 3



NOTES

1) UNUSED CORES TO BE SLEEVED OFF AND TIED BACK

PROGRAMMING & MONITORING CONNECTOR

Pin	Signal
1	SENSE+
2	SENSE–
3	I SET (0–5V)
4	REMOTE I PROG (0–5V)
5	REMOTE V PROG (0–5V)
6	V SET (0–5V)
7	CURRENT MONITOR (0–10V)
8	COM
9	ON/OFF (CONTACT: NC=ON)
10	VOLTAGE PROG RETURN
11	REMOTE OVERVOLTAGE (0–5V)
12	ISO REMOTE RETURN
13	ISO REMOTE ON/OFF (V+=ON)
14	ISO ON/OFF (TTL)
15	VOLTAGE PROG (0–10V)
16	I PROG (0–10V)
17	FAULT (HIGH=FAULT)
18	SHUT/D FAULT (HIGH=FAULT)
19	COM
20	V MONITOR (0–10V)
21	V PROG RETURN
22	V PROG (R=0–5K Ohm)
23	I PROG (R=0–5K Ohm)
24	I PROG RETURN
25	COM
	I PROG RETURN

J1

IEEE-488 INTERFACE

Pin	Signal
1	SHIELD
2	ATN [ATTENTION]
3	SRQ [SERVICE REQUEST]
4	IFC [INTERFACE CLEAR]
5	NDAC [NOT DATA ACCEPTED]
6	NRFD [NOT READY FOR DATA]
7	DAV [DATA VALID]
8	EOI [END OR IDENTIFY]
9	DIO 4 [DATA I/O LINE 4]
10	DIO 3 [DATA I/O LINE 3]
11	DIO 2 [DATA I/O LINE 2]
12	DIO 1 [DATA I/O LINE 1]
13	DIO 5 [DATA I/O LINE 5]
14	DIO 6 [DATA I/O LINE 6]
15	DIO 7 [DATA I/O LINE 7]
16	DIO 8 [DATA I/O LINE 8]
17	REN [REMOTE ENABLE]
18	GND 6 [GND WIRE FOR DAV]
19	GND 7 [GND WIRE FOR NRFD]
20	GND 8 [GND WIRE FOR NDAC]
21	GND 9 [GND WIRE FOR IFC]
22	GND 10 [GND WIRE FOR SRQ]
23	GND 11 [GND WIRE FOR ATN]
24	GND [LOGIC GROUND]

IEEE 488 ADDRES SWITCH

DIL SWITCH SETTING

SW1

1	2	3	4	5	6	7	8	9
ADDRESS BIT 1	ADDRESS BIT 2	ADDRESS BIT 3	ADDRESS BIT 4	ADDRESS BIT 5	NOT USED	NOT USED	NOT USED	LOCAL/EEE MODE

KEY

NC – NOT CONNECTED

SCALE 0

ALL DIMENTIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DRN DATE	P.A.D. 15/10/11	SCIENCE AND TECHNOLOGY FACILITIES COUNCIL DARESBURY LABORATORY CHESHIRE
CKD DATE	I.M. 27/03/12	TITLE MICE COOLING CHANNEL TEST RACK EQUIPMENT WIRING DIAGRAM
CERT DATE		
APPD DATE	I.M. 27/03/12	DRG No A0-204/78053 SHT 9 OF 16 — ISSUE A — CAD PART No 204/78053-9

DRAWING LIST: – DL 204/78000

CONTRACTORS COMPANY

CONTRACTORS DRG No

REF DRAWINGS

204/78050 SPECTROMETER TEST RACK BLOCK DIAGRAM
204/78052 SPECTROMETER TEST RACK POWER DIST DIAGRAM
204/78055 SPECTROMETER TEST RACK CANBUS/VME NETWORK
204/78056 SPECTROMETER TEST RACK DAC/ADC WIRING DIAGRAM
204/78057 PSU/COMMS/SIGNAL CONVERTER WIRING DIAGRAM
204/78058 SPECTROMETER TEST RACK RS232 WIRING DIAGRAM
204/78059 SPECTROMETER TEST RACK CANBUS WIRING DIAGRAM

A FIRST ISSUE