-50 V/+50 V DC-DC CONVERTER NZPO DRG 40980

D5 D4 D3 D2 9·5 T

T1 1T 9T 9T 1T

R3 15 0.01 C5

TR2 TR1

C4 2.2 R2 2.7k C2 6.8 C1 6.8

R1 33 C3 2.2k D1 L1

C6 6.8

B1 B2 B3 B4 MOLEX

FS2 2A

RESET 1 RESET 2

FS3 3A

CONVERTER FAIL CHANGE-OVER AND ALARM NZPO DRG 40978

RLB 1 C6 0.1 RLA 1 C5 0.1 C4 0.1

C6 C12 C2 C5 C4 C3 C9 C8 C7 C11 C1 C10

R5 R6 18k R7 10k R8 1k C3 10

D2 RLB 2 R12 680 SCR2 RLC 1

OPT 2

OPT 1

R2 18k R3 10k R4 1k C1 0.01

D1 RLA 2 RLC 1 R11 680 1.2k R13 SCR1

RLA 2 RLB 2

LED 1 2.7k R9 LED 2 2.7k R10

C2 33

CURRENT LIMIT DRG 40979

C1 C6 C3 C4 R1 0.22 R2 0.22 TR3 C1 0.01 T1 TR2 TR1 R3 360

D1 - B2

NOTE 2 IN5059

D1 E1 D2 E2 D3 E3 D4 E4

AUXILIARY TAG BOARD

D2 - C8

A 0-2A

FS1 - FS2 - FS3

T2 - A1 - B1 - C2 - C5 - C9

T1 - FS3

-VE +VE VOLTAGE ALARM UNIT DRG 40462 T6 T4

NOTE 3

-50V/+50V DC-DC CONVERTER NZPO DRG 40980

D5 D4 D3 D2 9·5 T

T1 1T 9T 9T 1T

R3 15 0.01 C5

TR2 TR1

C4 2.2 R2 2.7k C2 6.8 C1 6.8

R1 33 C3 2.2 D1 L1

C6 6.8

A1 A2 A3 A4 MOLEX

A2 - D2

FS1 2A

FS3 FS2 FS1

C1 .01 C2 .01 NOTE 1

T1 T2 T3 T4 T5 T6 T7

-50V DC ETH +50V DC ALARM 1 (Conv 1) ALARM 2 (Conv 2) ALARM 3 (System Fail)

C Unit Common Services

Alm 1 Alm 2 L.P. +50V FA Charge Fail

NOTES

1. CAPACITORS C1 & C2 ARE DISC CERAMIC 100 V
2. DIODES D1 & D2 ARE 200 V 2·5 A
3. LAMPHOLDER WITH RED LENS, 24 V 2W LAMP 390 Ω 5W RESISTER
4. THIS DRG SUPERCEDES 40347.

DC-DC POWER SUPPLY
-50V DC/+50 V DC 1 AMP

DEL	CKD	APD	ORDER	DATE	ISS	CHANGE
HLW	DN	GBC	155409	25.3.77	A	

NZPO
ENGINEER-IN-CHIEF, WELLINGTON

ORIGIN E-M

1 OF 1 | DRAWN E-M | TRACED HLW

A1 | 40982