

DPAT Locost calibration test results.

Production No. Date
 Drg List Iss. Concessions
 Serial No.

Processor production test @95v

110v	[	Keyboard	[]	Unreg V	(14.75-15.25v)
E Bond	]	Leds		+5v	(4.9-5.1v)
EEPROM	]			-5v	(-4.75 -5.0v)
				Pwr fail	(53-58v)

Initials

Calibration initial check at 110v +/- 1v.

Load user defined defaults []
 Measure and load Param 9 (High current EB scaling factor) [1]

EB probe voltage	.....	(120-140mV)
EB 26A 1.9 Ohm	...../...../.....	(1.8-1.950hm)
EB 8A 1.9 Ohm	...../...../.....	(1.8-1.950hm)
EB 100mA 1.9 Ohm	...../...../.....	(1.8-1.950hm)
Fuse 9k	Pos 1	..... (P)
Fuse 11k	Pos 3	..... (F)
Insul 15.7 MOhm	Pos 1	...../...../..... (15.0 - 16.5MOhm)

Modify parameters if necessary (record new values).

0	762	(100mA sense)	.....
1	32768	(100mA scale)	.....
2	20	(Lead res)	.....
3	687	(8A sense)	.....
4	120	(26A sense 1)	.....
5	101	(26A sense 2)	.....
6	101	(26A sense 2)	.....
7	10093	(Fuse thresh)	.....
8	1446	(Insul scale)	.....
9	32768	(8/26A scale)	.....
10	46832	(Insul volts)	.....

Calibration check at 240v+/-1v

EB	1.9 Ohm	26A	.....	(1.85-1.94Ohm)
EB	1.9 Ohm	8A	.....	(1.85-1.94Ohm)
EB	1.9 Ohm	100mA	.....	(1.85-1.94Ohm)
EB	0.1 Ohm	26A	.....	(0.09-1.10 Ohm)
EB	0.1 Ohm	8A	.....	(0.09-1.10 Ohm)
EB	0.1 Ohm	100mA	.....	(0.09-1.10 Ohm)

Fuse	9kOhm	Pos 1		(P)
Fuse	11kOhm	Pos 3		(F)

Insul	15.7MOhm	Pos 1	.....	(15.3-16.1 MOhm)
Insul	2MOhm	Pos 2	.....	(1.8-2.2 MOhm)
Insul	100kOhm	Pos 3	.....	(0-0.1 MOhm)

IEC	P-N correct			(P)
IEC	EB @26A			(0.04-0.05 Ohm)
IEC	P-N reversed			(F)

Calibration carried out by. (Init).

SmartPAT 3000

M I C R O S S - 7.707

S3262

DATE 12.01.01

BOM300

PARTS LIST - HIGHEST LEVEL

PAGE

STOCK NUMBER	DESCRIPTION	UOM	LABOUR	OVERHEAD	EXPENSE	CLASS.	REVISION	DATE
ASS S03262	Part Locost PCB Assy.	EA	0.00	0.00	0.00	PUR	51 12350600	13.06.00

DPAT Locost Part
(Subcontracted PCB assy)
Drg 3262-00

Iss Date Ref
4 28.05.97 Last manual P/L
5 24.08.98 Micros BOM generated.
Item 85 PR01 can be 5% (Con 1139)
R14,16 changed to 1R (Con 1091).
Item 260 - Philips No. 044 66228 (Con 1088).
Item 410 -MHS now Temic (Con 1041).
IMO relays added.
Item 560 - Now same as Hispec.
Item 210 - Varistor now same as Hispec.
Item 285 now 1000uF 16v.
5.1 13.06.00 EC 1235 - ZD relay part no. change.

Approved

Stock Number	Description	Uom	Quantity	Class	Phantom	Ref	Refer	ce Text
RES R47003	.RESISTOR 0R47 12W	EA	4	PUR		10	R5,6,	11
RES R68003	.RESISTOR 0R68 9W	EA	1	PUR		20	R2	
RES 1R0001	.RESISTOR 1R0 1% 0.6W	EA	5	PUR		30	R14,1	23,24,25
RES 100R03	.RESISTOR 100R 0.7W 2%	EA	4	PUR		60	R29,3	31,32
RES 100R04	.RESISTOR 100R 3W 10%	EA	1	PUR		70	R28	
RES 220R01	.RESISTOR 220R 1% 0.6W	EA	6	PUR		80	R33,3	36,38,39,58
RES 270R04	.RESISTOR 270R 1W 5%	EA	1	PUR		85	R15	
RES 470R01	.RESISTOR 470R 1% 0.6W	EA	2	PUR		90	R12,5	
RES 1K0001	.RESISTOR 1K 1% 0.6W	EA	9	PUR		100	R18,1	22,37,46,51,56,69,70
RES 3K3001	.RESISTOR 3K3 1% 0.6W	EA	2	PUR		120	R43,6	
RES 10K001	.RESISTOR 10K 1% 0.6W	EA	11	PUR		130	R1,44	5,47,50,52,53,55,59,65,66.
RES 68K001	RESISTOR 68K 1% 0.6W		1			140	R67	
RES 82K001	RESISTOR 82K 1% 0.6W		2			150	R13,4	
RES 100K01	RESISTOR 100K 1% 0.6W		9			160	R20,2	35,40,49,60,62,63,64

Part No.	Description	EA	QTY	UNIT	PRICE	Notes
8326:						
RES 180K01	RESISTOR 180K 1/4 0.6W	EA	1	PUR	170	R21
RES 1M0001	RESISTOR 1M 1/4 0.6W	EA	1	PUR	180	R57
RES 10M001	RESISTOR 10M 1/4 0.6W	EA	4	PUR	190	R17, 26, 72, 73
RES 27M002	RESISTOR 27M 0.5W 5/8	EA	2	PUR	200	R41, 48
SUP VDR003	VARIATOR 275V 9MM 250mW	EA	1	PUR	210	R10
SUP 1N0001	CAPACITOR 3 TERMINAL 1NF	EA	1	PUR	220	C8
CAP 33P001	CAPACITOR 33P/100V 5MM	EA	2	PUR	230	C35, 37
CAP 1N0001	CAPACITOR 1N/100V 5MM	EA	2	PUR	235	C40, 41, 42
CAP 100N02	CAPACITOR 100N/63V POLY	EA	28	PUR	240	C3, 4, 5, 7, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 39.
CAP 10U004	CAPACITOR 10UF/50V RAD.	EA	1	PUR	250	C36
CAP 2U2020	CAP AL ELEC 2.2uF 400V	EA	2	PUR	260	C9, 11
CAP 47U005	CAP AL ELEC, 47uF, 25V, AX-	EA	2	PUR	270	C2, 6
CAP 470U05	CAP AL EL, 470uF, 40V, AX-	EA	2	PUR	280	C1, 13
CAP 1M0002	CAP AL ELEC 1000uF 16V	EA	1	PUR	285	C38
DIO 000001	1N4001 DIODE 1 AMP	EA	2	PUR	290	D1, 2
DIO 000002	1N4148 DIODE, SIGNAL	EA	5	PUR	300	D12, 14, 24, 25, 26
LED 5MM020	LED, RED, LOW PROFILE, 5MM	EA	5	PUR	310	D4, 5, 6, 8, 10 (Mounted on bottom side of board.)
DIO BY584	DIO HIGH VOLTAGE	EA	1	PUR	320	D7
ZEN 3V3001	ZENER DIODE 3V3 400mW	EA	10	PUR	330	D9, 11, 15, 16, 17, 18, 20, 21, 22, 23
ZEN 5V1001	ZENER DIODE 5.1V 400mW	EA	1	PUR	340	D3
TRN 000001	TRANSISTOR BC327 PNP	EA	1	PUR	350	TR1
IC 2003	IC ULN2003A DARLINGTON	EA	1	PUR	360	IC9
IC HC00	IC 74HC00	EA	1	PUR	370	IC6
IC HC373	IC 74HC373	EA	1	PUR	380	IC3
IC HC273	IC OCTAL LATCH HC273	EA	2	PUR	390	IC11, 13
IC 27C512	EPROM 512K, 27C512	EA	0	PUR	400	IC4 FITTED BY JEKYLL (MASK HOLES)
IC 80C31	PROCESSOR 80C31 12MHZ	EA	1	PUR	410	IC10
IC 93C46	IC EPROM 1KBITS 8 PIN	EA	1	PUR	420	IC15
IC 7225*	LCD CONTROLLER, BENT	EA	1	PUR	430	IC5
XTL 11M0592	CRYSTAL 11.0592MHz HC18U	EA	1	PUR	440	X1
XTL SPK001	LOUDSPEAKER PCB MOUNT	EA	1	PUR	450	X2
OPT 04C001	DISPLAY, LCD 4 DIGIT	EA	0	PUR	460	P1 FITTED BY JEKYLL (MASK HOLES)
IC 4051	IC 4051 ANALOGUE MUX	EA	2	PUR	470	IC7, 14
IC 393	COMPARATOR, DUAL LOWPOWER	EA	1	PUR	480	IC12
IC 324	QUAD OP AMP, LM324 16DIL	EA	1	PUR	490	IC8
REG 5V0008	REGULATOR 5V 2A LDO	EA	1	PUR	500	IC2
REF 2V5000	VOLTAGE REFERENCE 336	EA	1	PUR	510	IC1
RLY 002002	RELAY DPCO 5A, G2R2-12	EA	3	PUR	520	RL5, 6, 7
RLY 002005	RELAY SPCO 16A 12V COIL	EA	1	PUR	530	RL1
RLY 002004	RELAY SPCO 10A 6V COIL	EA	1	PUR	540	RL4
RLY 002010	RELAY SPNO 30A, ZD	EA	1	PUR	550	RL3
SW B3F4055	PUSH BUTTON, PCB MTG, HIGH	EA	2	PUR	560	SW1, 2 (Mounted on bottom side of board.)
FUS 003060	FUSEHOLDER, PCB MTG 20MM		1		580	FS1
FUS 003052	FUSE COVER, TRANSPARENT		1		590	For FS1
FUS 3A1505	FUSE 5x20MM, 3.15A, HRC		1		595	For FS1

CON 01W055	BLADE 6.3MM PC MOUNT	EA	93262 14	PUR	600	TB2,3,4,5,7,8,9,10,11,12,13, 14,15
CON 04W005	HEADER 4 WAY 0.1" UP-	EA	1	PUR	610	P2
CON 02W030	HEADER 2WAY MTA100 UPR-	EA	1	PUR	620	P3
HDW 002010	TERMINAL PIN 1MM S/SIDED	EA	0	PUR	625	LK4 (Not fitted).
PCB 003262	DPAT LOCOST PCB.	EA	1	PUR	630	