



SYM	STANDARD COMPONENT DESCRIPTION
A1	MAIN CONTROL PC BOARD
A15	THREE PHASE GATE DRIVE PC BOARD
A16	1x6 SCR (Q1-Q6) MODULE ASSY
A17x	SCR SNUBBER PC BOARD - QTY. (3)
C4	EMI OUTPUT FILTER CAP (NEG-GND)
C5	EMI OUTPUT FILTER CAP (POS-GND)
CB1	AC INPUT CIRCUIT BREAKER (CD3)
CB2	DC OUTPUT CIRCUIT BKR (KAL2)
CR4	FREE-WHEELING DIODE
L1	MAIN INDUCTOR
R1	MAIN DC SHUNT
R2	CURRENT RATING RESISTOR
R3x	EXT BALLAST RES (130VDC)
R28x	THERMOSTAT (S2x) SENSE RESISTOR
S2	SCR MODULE (A16) THERMOSTAT
T1	POWER ISOLATION TRANSFORMER
TB1	I/O TERMINAL BOARD
TB3	SUMMARY ALARM CONTACTS
TB8	TEMPCO PROBE TERMINAL BLOCK
VR1	OUTPUT SURGE SUPPRESSOR (+TO-)
VR2	INPUT SURGE SUPPRESSOR (LINE 1)
VR4	INPUT SURGE SUPPRESSOR (LINE 2)
VR5	INPUT SURGE SUPPRESSOR (LINE 3)
VR6	OUTPUT SURGE SUPPRESSOR (-)
VR7	OUTPUT SURGE SUPPRESSOR (+)

SYM	OPTIONAL COMPONENT DESCRIPTION
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STANDARD DRAWING NOTES:  
 A) ARRANGEMENT AND NUMBER OF COMPONENTS MAY DIFFER SLIGHTLY BASED UPON UNIT RATING AND FEATURED OPTIONS.  
 B) SEE JE5163-00 FOR A16 DETAILS.

NOTES:  
 1) FOR DETAIL VIEWS OF ALL PC BOARDS (A1, A5, A15, A17, etc.) SEE DRAWING JE5091-30.  
 2) I/O PANEL TERMINAL BOARD (TB1) NOT SHOWN FOR CLARITY OF VIEW. SEE DETAIL TO RIGHT.

I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
TB1(+/-)	POS/NEG OUTPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#6 AWG-350 MCM
REM SENSE(+/-)	POS/NEG REMOTE SENSE TERMINALS - 1/4-20 ZPS STUDS	0.250 RING LUG
TB1-GND	GROUND TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB1-L1/L2/L3	AC INPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB3	SUMMARY ALARM TERMINAL BLOCK - SOLDERLESS COMPRESSION	#22-14 AWG
TB8	TEMPCO PROBE (A10) INTERCONNECTION TERMINAL BLOCK	#22-14 AWG

0	20537	020607	
REV	ECN No	DATE	APP

THIRD ANGLE PROJECTION	
DRAWN BY	MCR 020607
APPROVED	
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	

		1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com	
TITLE AT30 SERIES BATTERY CHARGER (STANDARD) INTERNAL COMPONENT LAYOUT: STYLE-5030			
DRAWING No		REV	
JE5089-00		0 B	
SCALE	PART No	SHEET	OF
NTS	JE5089-00	1	1