



**COMPONENT-MATERIAL  
ENGINEERING SPECIFICATION**


Part No.	800-646-45	REV	01
Ref. Code	404		
U.O.M.	EA		
Engg. Ref.	CHILLER		

**Part Description : MICRO CONTROLLER; MICRO SMART III FOR RECIP& SCREW COMP; 24VAC 50/60Hz  
TO BE USE FOR : CHILLER**

**PART A : BASIC REQUIREMENTS**

BOARD SUPPLY (Volts/ Hz)	24VAC, 50/60Hz
I/O TERMINAL DETAILS	D/O =18, D/I=20, A/O=4 A/I=12
OPERATING TEMPERATURE	0-70°C
STORAGE TEMPERATURE	0-70°C
OPERATING HUMIDITY	90%
STORAGE HUMIDITY	90%

**QUALIFIED**


 081005  
 DATE

ALL DIMENSIONS ARE IN mm

SHEET 1 of 4

SCALE : N.T.S

Unspecified Tolerance (+,-); Fraction-1/32"; Decimal-0.031"

WRITER AL-ALI. HUSAIN

INITIATOR JESSIE

ENG. CHECK AHMAD

VERIFIED Moh'd Al Sayyed

APPROVED FAWAZ AL-BITAR

01 UPDATE SPECS AS PER SPECS FORMAT

HUSAIN 18-09-05

Issue Date 03-08-2003

REV Revision Details

Designer Rev.Date

File Ref. Ziicnas/Eng-Specs\800\64645



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JJJJ1-2

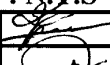
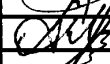

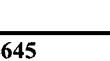

**PART B: REFERENCE DATA**

**OVERALL SHAPE/ SIZE & MOUNTING DETAILS PLEASE REFER TO THE ATTACHED DRAWING.**

PARAMETER	PARA FOR RECIP/ SCREW COMP
BOARD DIMENSIONS	291 x 137mm
BOARD MATERIAL	PCB
ADDITIONAL FEATURES	CAN CONTROL 2 COMPRESSOR CIRCUITS
PACKING DETAILS	WITH FUSE/ MUST BE IN A BOX & DUST PROOF
VENDOR PART No	SB2
SOFTWARE REVISION DETAILS	
VENDOR	PROJECT ENGINEERING

**QUALIFIED**

 QA	081005 DATE
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ALL DIMENSIONS ARE IN mm				SHEET 2 of 4		SCALE : N.T.S	
Unspecified Tolerance (+,-); Fraction-1/32"; Decimal-0.031"				WRITER	AL-ALI. HUSAIN		
				INITIATOR	JESSIE		
				ENG. CHECK	AHMAD		
				VERIFIED	Moh'd Al Sayyed		
				APPROVED	FAWAZ AL-BITAR		
01	UPDATE SPECS AS PER SPECS FORMAT	HUSAIN	18-09-05	Issue Date	03-08-2003		
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JJJJ1-3


**PART C : OPERATIONAL REQUIREMENTS)**






<b>BOARD SUPPLY</b>	<b>Volts/ Hz</b>	<b>24 VAC, 50/60 Hz</b>
<b>VENDOR PART No</b>		<b>SB2</b>
<b>DIGITAL INPUT TERMINALS</b>		<b>20</b>
<b>DIGITAL OUTPUT TERMINALS</b>		<b>18</b>
<b>ANALOGUE INPUT TERMINALS</b>		<b>12</b>
<b>ANALOGUE OUTPUT TERMINALS</b>		<b>4</b>
<b>ENAMEL COATING</b>		<b>NO COATING</b>
<b>OPERATING TEMPERATURE</b>	<b>DEG C</b>	<b>0-70</b>
<b>OPERATING HUMIDITY</b>	<b>% RH</b>	<b>90%</b>

**SHAPE AND DIMENSION PLEASE REFER TO ATTACHED DRAWING**

**CERTIFICATION ; EN61000-4-4; EN55011; EN61000-3-3 FREQUENCY OF SURMISSION; AFTER ONE  
YEAR**

**APPROVEDE VENDOR : PROJECT ENGINEERING**

**QUALIFIED**  
 QA **081005**  
 DATE

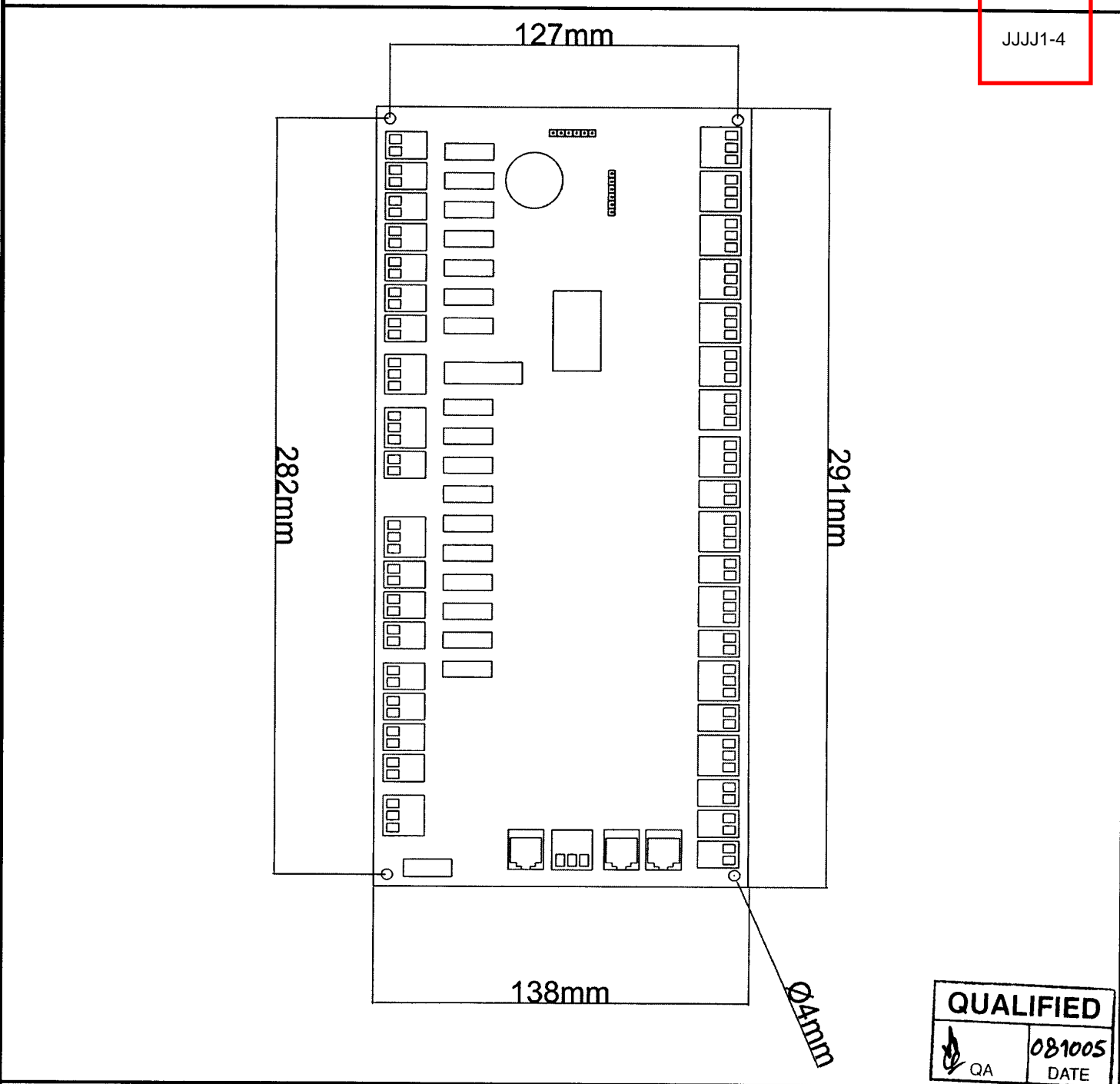
<b>ALL DIMENSIONS ARE IN mm</b>				<b>SHEET 3 of 4</b>		<b>SCALE : N.T.S</b>	
<b>Unspecified Tolerance (+,-); Fraction-1/32"; Decimal-0.031"</b>				<b>WRITER</b>	<b>AL-ALI. HUSAIN</b>		
				<b>INITIATOR</b>	<b>JESSIE</b>		
				<b>ENG. CHECK</b>	<b>AHMAD</b>		
				<b>VERIFIED</b>	<b>Moh'd Al Sayyed</b>		
				<b>APPROVED</b>	<b>FAWAZ AL-BITAR</b>		
<b>01</b>	<b>UPDATE SPECS AS PER SPECS FORMAT</b>	<b>HUSAIN</b>	<b>18-09-05</b>	<b>Issue Date</b>	<b>03-08-2003</b>		
<b>REV</b>	<b>Revision Details</b>	<b>Designer</b>	<b>Rev.Date</b>	<b>File Ref.</b>	<b>Ziicnas\Eng-Specs\800\64645</b>		



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