

DRM Wiring Reference

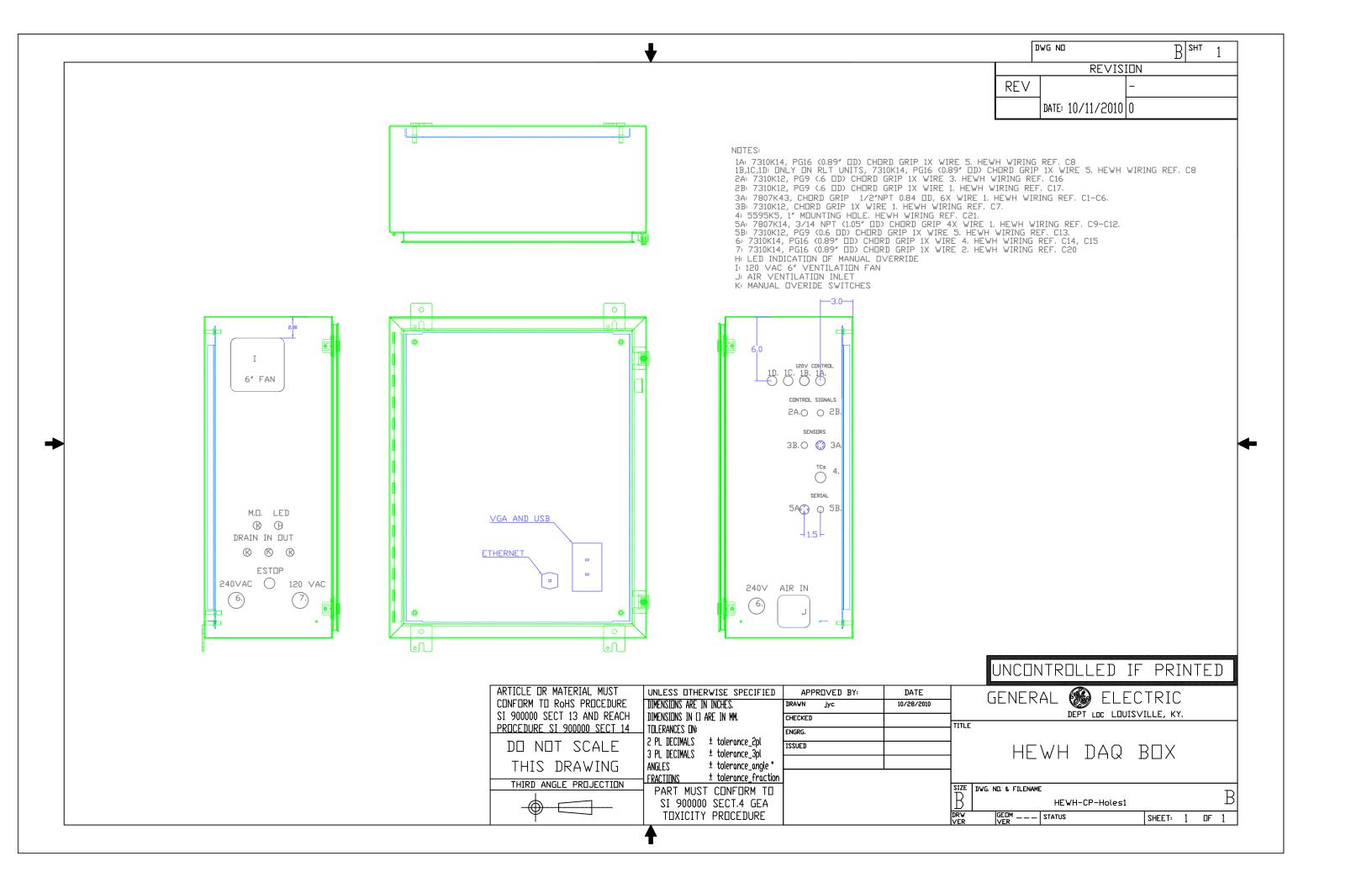
HEWH Board Pin	Function	HEWH Wire Color	MW100 Channel	RJ45 Pin
1	+5VDC	Red		3
2	DRM1 - LOW	Orange	045	4
3	DRM0 - HIGH	Yellow	046	5
4	TXD			
5	RXD			
6	GND	Blue		8

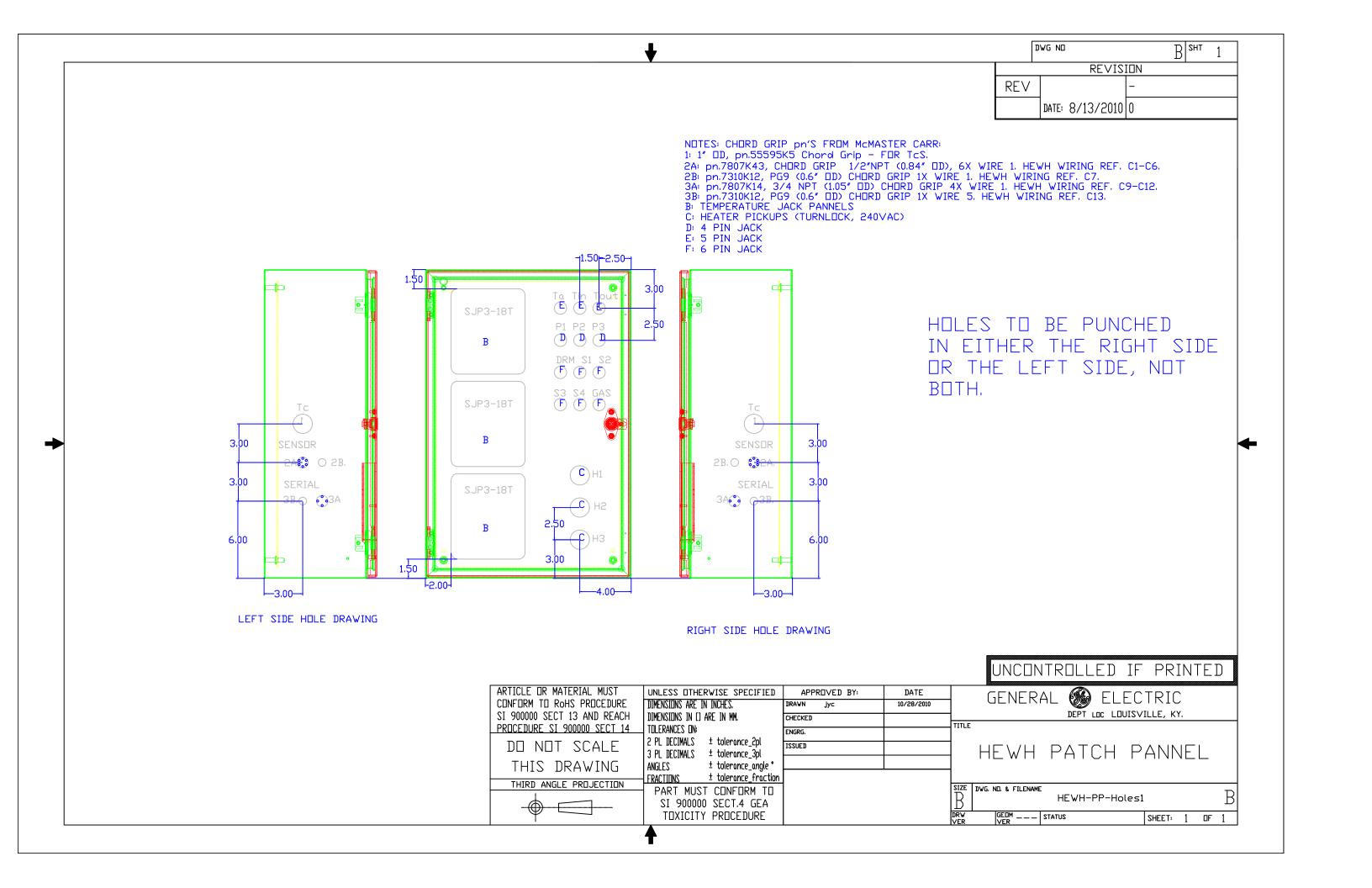
DRM -H (046)	DRM L (045)	Name	Temperatu	Mode
1	1	Normal	UNC	UNC
1	0	Meduim	UNC	EHEAT
0	1	High	110	EHEAT
0	0	Critical	100	EHEAT

Select Mode, see HEWH_Controls_SRS_rev_2c.doc page 23.

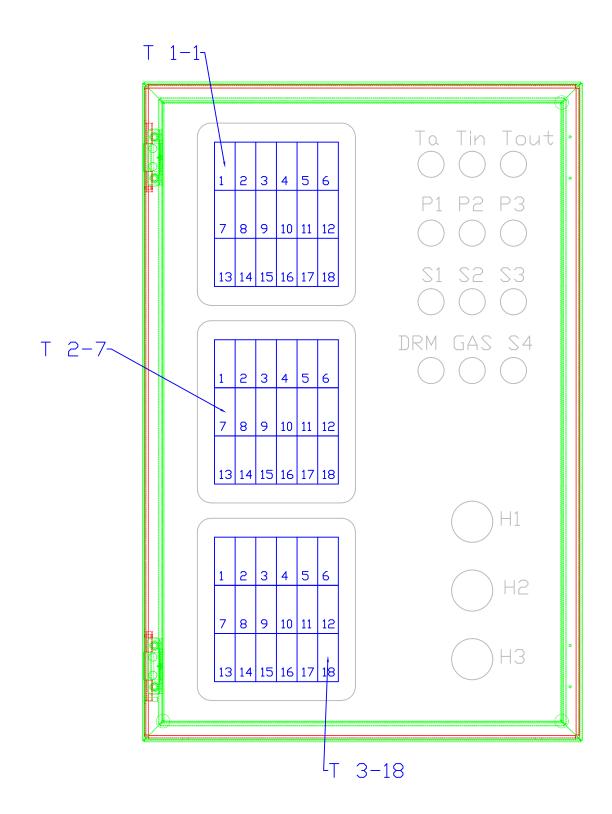
	Contact vie	w of RJ45	Connector			Function
Cable Wire Color					HEWH Wire Color	
O/W				1		
				_		
0				2		
Green/White				3	RED	+5V
Blue				4	ORANGE	DRM1-LOW
Blue/White				5	YELLOW	DRM0-HIGH
Grn				6		
Brn/W				7		
Brown				8	BLUE	GND

	Tame 12		ements and External Sensors	ı	1	
1 3 1A 3	RTD w/ Connector Connector for RTD	OMEGA OMEGA	P-M-1/10-1/8-6-1/8-P-3-TA4M TA4F			
2 2 3 1	Pressure Txd (High Side) Pressure Txd (Low Side)	Measurement Specialties Inc Measurement Specialties Inc	2000261 2000203	Digikey Digikey	MSP3501P4A1-ND (High Side) MSP3251P4A1-ND (Low Side)	Supply 8-30 VDC, 500 psi 250 psi
4 1 5 2	Flow Meter Solenoid Valve,2 Way,NC,Brass,3/4 In 2Watts NC	ASCO	8210P095	Flow Technology Grainger	68604-BAA-ABA 1ALB3	1 % of reading
	Solenoid Valve,2 Way,NC,Brass,3/4 In 10.1 Watts NC	ASCO	8210G095	Gexpro		alt for 5
6 1 7 1	Solenoid Valve,2 Way,NO,Brass,3/4 In 10 Watts NO Receptacle, 240 VAC marine	ASCO Hubble	8210G035 HBL2620SW	Grainger Grainger	3UK89 4CV27	117.45
8 1 9 1	Plug 240 VAC, maring Lockout Switch	Hubble Hubble	HBL2621SW HBLMITL	Grainger Grainger	4CV29 4CV76	127.85 498
10 1 11 1	TMP Valve 150 PSI 3/4" Brass Brass, 1/8" tube ok, 1/8" NPT	OMEGA	BRLK-18-14	Lowes OMEGA	BRLK-18-14	
12 1	T_Tc, 6" long 1/8" sheath, ungrounded	OMEGA	TMQSS-125U-6	OMEGA	TMQSS-125U-6	
1 1	Ethernet Isolated Din Switch	Te	st Control Box	B&B	EIR308	
2 1 3 1	USB TO ISOLATED Serial 4 prt RS232 W/DB9M Main Test Enclosure	Hoffman	CSD302410	B&B CED	USO9ML2-4P CSD302412	
4 1 5 1	Mounting Plate Mounting Kits	Hoffman Hoffman	CP30P24 CMFK	CED CED	CP3024 CMFK	
6 1	USB A Bulkhead HD15 Bulkhead VGA Panel-Mount Ext CL2 PVC 2 ft	DataPro Data Pro	1598-02C 1152-02C	DataPro DataPro	1598-02C 1152-02C	
8 1	VGA & USB Wall Plate	DataPro	70302A	DataPro	70302A	
9 1 10 10	Relay/Contactor <u>Liquid Tight 1" Conduit Adaptor</u>	McMaster Carr	70255K342	McMaster Carr McMaster Carr	70255K342 75145K55	or equivolent or equivolent
11 1	DAQ: Main Module (with MW100 Viewer Software), Math Function.	Yokogawa	MW100-E-1D	Measurement Instruments		Supplied by GE
12 1 13 1	DAQ: Base plate for one main and six I/O modules \$ DAQ: 10 ch 100 msec Form A contact relay	Yokogawa Yokogawa	MX150-6 MX125-MKC-M10	Measurement Instruments Measurement Instruments	MX125-MKC-M10	Supplied by GE Supplied by GE
14 1 15 1	DAQ:10 ch/100msec, DCV/TC/RTD/DI analog input module DAQ:10 ch/100msec, DCV/TC/RTD/DI analog input module	Yokogawa Yokogawa	MX110-UNV-M10 MX110-UNV-M10	Measurement Instruments Measurement Instruments		Supplied by GE Supplied by GE
16 1 17 1	DAQ:6 channels/100msec, 4-wire RTD, resistance, DCV and DI DAQ:8 ch 100msec 1 to 5V & 4 to 20mA output	Yokogawa Yokogawa	MX110-V4R-M06 MX120-VAO-M08	Measurement Instruments Measurement Instruments		Supplied by GE Supplied by GE
18 1	Thermal Data Acquisition	Agilent	34972A	Newark	55R0480	Supplied by GE
19 3 20 2	Thermocouple Input Cards Resistor 250 ohm,.1% Tc = 50 ppm	Agilent Vishay	34902A R60C2500BB14	Newark Newark	83F4191 83F1584	Supplied by GE
21 1 22 4	4 Position Modular Relay Board 24 input 120 output relay	Tyco/PB Tyco/PB	2IO4A OAC24A	Newark Newark	81F4505 18M9254	or equivolent or equivolent
23 4 24 1	Toggle switches Cap for RJ45 pass through	Honeywell	11TS15-1	Newark Newark	23F2113 15M3585	or equivolent or equivolent
25 1	RJ45 pass through connector	Daniel Woodhead	ENSP1F5	Newark	15M0234	or equivolent
26 1 27 1	Cap for RJ45 pass through 2 Pole 32 A, 480 V circuit breaker	Daniel Woodhead	67-0300	Newark Newark	15M3585 86K9999	or equivolent or equivolent
28 1 29 1	1 Pole 10 A, 277 V circuit breaker 4PDT Relay for Manual Overide	TYCO / POTTER & BRUM	KHAU-17A11N-120	Newark Newark	32M7843 87F1106	or equivolent or equivolent
30 1 31 1	Din rail mount relay socket Power Strip	TYCO / POTTER & BRUM TRIPP LITE	27E894 6SP	Newark Newark	46F3589 87F2854	or equivolent or equivolent
32 1 33 1	LED 120 VAC overide indicator E-Stop Button	IDEC	AVW401-R	Newark Newark	79M6920 74K3690	or equivolent or equivolent
34 1	Industrial Computer	Rave Computer	R-SFF-C2D-1	Newark	7403090	Not available
34A 1 35 1	Ventilation Fan	Superlogics NMB-MAT	See PCs Spreadsheet 4715MS-12T-B50-A00	Newark	70K9511	Substitute or equivolent
36 1 37 1	Finger Guard Fan Power Chord	NMB-MAT NMB-MAT	055015 432000	Newark Newark	93K7618 93K7643	or equivolent or equivolent
38 1 39 1	SPDT 120VAC 10 A relay	TYCO/PB TYCO/PB	KUP-5A15-120 27E893	Newark Newark	18M9148 46F3616	or equivolent or equivolent
40 1	Relay Base 24 VDC 100W din power supply	1100/10	2. 2000	Newark	73K6073	
41 1 42 1	120 VAC Plug 240 VAC Plug 3 terminal			McMaster Carr McMaster Carr	7196K31 7120K54	or equivolent or equivolent
43 1 44 1	Watt-Hour Sensor RJ45 Breakout Box	EMERSON	32-2038	Ohio Semitronics 32-2038	W-119CX5 Master Distributors	Supplied by GE
45 1 46 1	USB-150: Full Speed USB Isolator ACER V173 DJB 17" Monitor	Keterex ACER	USB-150 V173 DJB 17"	Keterex CDW	USB-150 2091793	
47 1 48 1	USB Keyboard IOGEAR 4PT USB 2.0 HUB	Keytronic	Mfg#: KEY-KT400U2			
49 1			Mfa#: IOD CLIU20E	CDW	1378635	
	Optical Mouse	IOGEAR Kensington	Mfg#: IOR-GUH285 Mfg#: KEN-K72356US	CDW CDW	1571452 1909960	
50 1 53 1		Kensington	Mfg#: KEN-K72356US	CDW	1571452	
	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT	Kensington		CDW CDW NewEgg	1571452 1909960	
53 1 1 1 2 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate	Kensington	Mfg#: KEN-K72356US	CDW CDW NewEgg Ohio Semitronics CED CED	1571452 1909960 11-993-011 	salvaged from old equipment
53 1 1 1 2 1 3 1 4 3	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC	Rensington Pa McMaster Carr	Mig#: KEN-K72356US tch Panel Box 6755K21	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr	1571452 1909960 111-993-011 	
53 1 1 1 2 1 3 1 4 3 5 3 6 3	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel	Kensington Pa	Mfg#: KEN-K72356US	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega	1571452 1909960 11-993-011 	salvaged from old equipment Mounting Hardware
53 1 1 1 2 1 3 1 4 3 5 3 6 3 7 3 7 A	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC	Pa McMaster Carr McMaster Carr	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr	1571452 1909960 111-993-011 	salvaged from old equipment
53 1 1 1 2 1 3 1 4 3 5 3 6 3 7 3	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel	Pa McMaster Carr McMaster Carr Omega	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 	salvaged from old equipment Mounting Hardware Not available
53 1 1 1 2 1 3 1 4 3 5 3 6 3 7 3 7A 7B 8 3 9 3	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY	McMaster Carr McMaster Carr Omega Multicomp/SPC	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark Newark Newark Newark Newark Newark	1571452 1909960 11-993-011 	salvaged from old equipment Mounting Hardware Not available Substitue
53 1 11 2 1 3 1 4 3 5 3 6 3 7 3 7A 7B 8 3 9 3 10 3 10 4	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock For heater 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY	McMaster Carr McMaster Carr Omega Multicomp/SPC	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 11-993-01 11	salvaged from old equipment Mounting Hardware Not available Substitue
53 1 1 1 2 1 3 1 4 3 5 3 6 3 7 3 7 A 7 B 8 3 9 3 10 3 10 A 3 11 4 12 4	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC	Mg#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NCSFP-B-1 SPC21436	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr McMaster Carr Mewark Newark	1571452 1909960 11-993-011 11-993-011 11-993-011 11-993-011 11-993-011 11-993-011 16755K21 6755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 89F6044 89F6045 11M0631 87F6605 89F6046	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue
53 1 111 211 311 413 533 63 73 7A 7B 83 93 100 3 110 3 111 4 12 4 13 11 14 11	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermoccuple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 89F6045 11M0631 97F6605 89F6046 15M0234 15M0234 15M0334	salvaged from old equipment Mounting Hardware Not available Substitue Not available
53 1 1 1 2 1 3 1 4 3 5 3 6 3 7 3 7 A 7 B 8 3 9 3 10 3 10 3 10 3 11 4 12 4 13 1 14 1 15 2	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 RJ45 pass through connector	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 11-993-011 11-993-011 11-993-011 11-993-011 11-993-011 16-755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 99F6045 11M0631 87F6605 89F6046 15M0234	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2104A	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent
53 1 1 1 2 1 3 1 4 3 5 3 6 3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 89F6045 11M0631 87F6605 11M0631 87F6605 89F6046 15M0234 15M3585 18M9104 02H6945 81F4505	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 7 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 8 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 9 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 11 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 12 POSITION MOUILAIR REIAY BOARD 13 POSITION MOUILAIR REIAY BOARD 14 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 11 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 12 POSITION OF THE STANDARD STA	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Substitute
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Male Mini Turnlock Recept. 240 VAC Thermoccuple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 4 POSITION MODULAR RELAY BOARD 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PEMBLE 3 Blade Turnlock for heater #10 Ring Terminal	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPT022 NTE Tyco/PB Omega W	Mig#: KEN-K72356US Itch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2104A OSTW-CC-T-M ire Harnessing Parts	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Substitute Order 10 Order 6
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 11 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 12 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 13 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 14 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 15 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 16 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 17 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 18 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 19 PIN MALE CONNECTOR SLIVER CONTACT, ZINC BODY 19 PIN MALE CONTACT, ZINC BODY 10 PIN MALE CONTACT, Z	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 89F6045 11M0631 89F6046 15M0234 15M3585 118M9104 02H6945 81F4505	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent or equivolent Order 10 Order 6 Order 25 Order 25
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 S PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 FIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 Female 3 Blade Turnlock for heater 110 Ring Terminal 11 Thermalcouple MiniFlat Connector Female 12 Thermocouple wire 60 ft 13 0f to 114/16 2 conductor cable	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark Omega	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 111M0618 27B4347 46F8566 89F6044 89F6045 11M0631 87F6605 89F6046 15M0234 15M3585 18M9104 02H6945 81F4505 89F6044 19P1958 89F6046 7162k51 SMPW-CC-T-F OSTW-CC-T-M 62M3365	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Order 25 Order 10 250 ft spool
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53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 S PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 Female 3 Blade Turnlock for heater 110 Ring Terminal Thermocouple MiniFlat Connector Female Thermocouple connectors T thermocouple diniFlat Connector Female Thermocouple wire 60 ft 30 ft of 14/16 2 conductor cable 60 ft of 2 shielded twisted pairs 22 awg Multicord Nylon Liquid-Tight Cord Grip 1/2" NPT, for 6 Cords, 0.13"-0. Heat Shrink-Sealed Liquid-Tight Cord Grip 3 Cords, .11" Cord Seal ID	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W Omega Omega Omega Omega After Shrinking	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark Omega	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 111M0618 27B4347 46F8566 89F6044 89F6045 11M0631 83F6605 89F6046 15M0234 15M3585 118M9104 02H6945 81F4505	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 Pemale 3 Blade Turnlock for heater 7 Promise Subject of the state of th	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W Omega Omega Omega Omega Omega Onega	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark Omega Newark McMaster Carr McMaster Carr McMaster Carr McMaster Carr	1571452 1909960 11-993-011 CSD241668	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 S PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 FIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 Female 3 Blade Turnlock for heater 11 Thermocouple MiniFlat Connector Female Thermocouple connectors T thermocouple diniFlat Connector Female	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W Omega Omega Omega Omega Omega Omega Omega Omega Omega Omega Omega Ore Spirol Dia Range Off Cord Dia Range	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F	CDW CDW NewEgg Ohio Semitronics CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 89F6045 11M0631 89F6045 11M0631 89F6045 11M0631 89F6046 15M0234 15M3585 18M9104 02H6945 81F4505 89F6046 7162k51 SMPW-CC-T-F OSTW-CC-T-M 62M3365 02F5311 7807K43 75595K5 7310K14 7310K12 7807K14 9936K19	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool
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53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 S PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 S PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 Ring Terminal Thermocouple MiniFlat Connector Female 110 Ring Terminal Thermocouple MiniFlat Connector Female 110 Ring Terminal Thermocouple WiniFlat Connector Female 110 Ring Terminal Thermocouple MiniFlat Connector Female 110 Ring Terminal Thermocouple MiniFlat Cond Grip 3 Cords, .11" Cord Seal ID 110 PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-16 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-16 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, Flexible Multicord Nylon Liquid-Tight Cord Grip Polyamide, PG-9 Size, Flexible Multiconductor Cable Unshielded, 18/5 Awg, .31" OD, 600 V/C Corrosion-Resistant PVC Enclosure(NEMA 4X/13) 4" Height X 4" Witch Super Flex Liquid-Tight Cord Grip Fire	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W Omega W Omega Omega Omega Omega Omega Omega Omega Omega Omega Omega Ord-To-32" Cord Dia Range On4"-0.32" Cord Dia Range Ord-To-32" Cord Dia Range	Mig#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark New	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 111M0618 27B4347 46F8566 89F6044 89F6045 11M0631 89F6045 11M0631 89F6045 11M0631 89F6046 15M0234 15M3585 18M9104 02H6945 81F4505 89F6046 7162k51 SMPW-CC-T-F OSTW-CC-T-M 62M3365 02F5311 7807K43 5595K5 7310K14 7310K12 7807K14 9936K19 8261K21 7609K3 9166K42-black	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool
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53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 11 PASS through connector 12 Cap for RJ45 pass through 12 POSITION OF SENSOR SUMPRION OF SENSOR SENSOR SUMPRION OF SENSOR SUMPRION OF SENSOR SUMPRION OF SENSOR	McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W Omega Omega Omega Orega Orega Orega Orega Orega	Mfg#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F OSTW-CC-T-M	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 111M0618 27B4347 46F8566 89F6044 89F6045 11M0631 89F6045 11M0631 81F4505 89F6046 15M0234 15M3585 18M9104 02H6945 81F4505 89F6046 7162k51 SMPW-CC-T-F OSTW-CC-T-M 62M3365 02F5311 7807K43 5595K5 7310K14 7310K14 730K14 730K14 9936K19 8261K21 7609K3 9106K42-black 9106K52 87K1680	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool
53 1 111 2 1 3 1 4 3 5 3 6 3 7 3 7 8 8 3 9 3 10 3 10 4 3 11 4 12 4 13 1 14 1 15 2 15 A 2 16 1	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 7 RJ45 pass through connector Cap for RJ45 pass through 240 VAC in, conf 367065, 24 VDC out relay 4 Position Modular Relay Board Thermocouple connectors 4 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 S PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 FIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 Ring Terminal Thermacouple MiniFlat Connector Female Thermocouple connectors T thermocouple wire 60 ft 30 ft of 14/16 2 conductor cable 60 ft of 2 shielded twisted pairs 22 awg Multicord Nylon Liquid-Tight Cord Grip 1/2" NPT, for 6 Cords, 0.13"-0. Heat Shrink-Sealed Liquid-Tight Cord Grip Polyamide, PG-16 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-16 Size, PG and Metric Thread Liquid-Tight Cord Grip Polyamide, PG-9 Size, PG and Metric Thread Liquid-Tight Cord Grip 1/4" NPT, for 4 Cords, 16" - 2. Flexible Multiconductor Cable Unshielded, 18/5 Awg, 31" OD, 600 W Corrosion-Resistant PVC Enclosure(NEMA 4X/13) 4" Height X 4" Wic Super Flex Liquid-Tight Cord Grip 14/10 NPT, for 4 Cords, 16" - 2. Flexible Multiconductor Cable Unshielded, 18/5 Awg, 31" OD, 600 W Corrosion-Resistant PVC Enclosure(NEMA 4X/13) 4" Height X 4" Wic Super Flex Liquid-Tight PVC Conduit 1/2" Trade Size, 0.63" 10, 0.83" Liquid-Tight Nonmetallic Conduit Fitting Twist-in Straight, PVC, 1/2" T Liquid-Tight Nonmetallic Conduit Fitting Twist-in Straight, PVC, 1/2" T Liquid-Tight Nonme	McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega W Omega Omega Omega Orega Orega Orega Orega Orega	Mfg#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F OSTW-CC-T-M	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark Comega Newark McMaster Carr Newark Peerless Newark	1571452 1909960 11-993-011 CSD241668	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool
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53 1 1 1 2 1 3 1 4 3 5 3 6 6 6 6 6 6 6 6 6	Optical Mouse FAN FILTER STARTECH FANFILTER12 RT Voltage Transducer Enclosure for sensor interface Mounging Plate Mounting Kits Female Mini Turnlock for heater 240 VAC Male Mini Turnlock Recept. 240 VAC Thermocouple Jack Panel 5 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 4 PIN FEMALE PANEL MOUNT, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 5 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 6 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 7 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 8 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 9 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 10 PIN MALE CONNECTOR, SLIVER CONTACT, ZINC BODY 11 PIN RING Terminal 12 Thermacouple MiniFlat Connector Female 13 PIN RING Terminal 14 PIN RING TERMINAL 15 PIN RING TERMINAL 16 PIN MALE CONNECTOR 17 PIN RING TERMINAL 18 PIN RING TERMINAL 19 PIN RING TERMINAL 19 PIN RING TERMINAL 19 PIN RING TERMINAL 10 PIN RING 10	McMaster Carr McMaster Carr McMaster Carr Omega Multicomp/SPC Neutrik Multicomp/SPC Daniel Woodhead Daniel Woodhead OPTO22 NTE Tyco/PB Omega Omega Omega Omega Orega Orega	Mfg#: KEN-K72356US tch Panel Box 6755K21 6755K22 SJP3-18-T SPC21423 NC5FP-B-1 SPC21436 ENSP1F5 67-0300 IAC-24A RIM-IAC24A 2IO4A OSTW-CC-T-M ire Harnessing Parts SMPW-CC-T-F OSTW-CC-T-M	CDW CDW NewEgg Ohio Semitronics CED CED CED CED McMaster Carr McMaster Carr Omega Newark Comega Newark McMaster Carr Newark Peerless Newark Newark	1571452 1909960 11-993-011 CSD241668 CP2416 CMFK 6755K21 6755K21 6755K22 SJP3-18-T 87F6603 11M0618 27B4347 46F8566 89F6044 89F6045 11M0631 87F6605 89F6046 15M0234 15M3585 18M9104 02H6945 81F4505 89F6046 7162k51 SMPW-CC-T-F OSTW-CC-T-M 62M3365 02F5311 7807K14 7310K14 7310K14 7310K12 7807K14 9936K19 8261K21 7609K3 9106K42-black 9106K52 87K1680 79k5049	salvaged from old equipment Mounting Hardware Not available Substitue Not available Substitue or equivolent or equivolent Order 10 Order 6 Order 25 Order 25 Order 25 Order 25 Frank Suppllied 250 ft spool





	Channel	Description	Cianal	Notes	Bower Beguirement
	Channel	Description	Signal	Notes DED DI ACIVITATICATED DAID	Power Requirement
1930 Parentes Cap Step Sept		· · · · · · · · · · · · · · · · · · ·			
1945 Passara Prison		· · · · · · · · · · · · · · · · · · ·			
1959 Voltage 200 See Assert 19 18 19 Voltage 19	013	Pressure - Low Side	1-5V	CABLE C3	8-30VDC
1915 Top Part	014	Pressure - Pinput	1-5V	NC	12-24 vdc
1979	015	Voltage - 20A Top Heater	DI 240 VAC Relay	CABLE C7:WHITE, PORT H1	
1986	016	Voltage - 20A Bot Heater	DI 240 VAC Relay	CABLE C7:GREEN, PORT H2	
	017	Temp Shell 1	Thermocouple - T	PP 1-7	
1985				CABLE C17: GREEN/WHITE TWISTED PAIR	
202					
272 Toron Taw Time 1					
Section Term Teah Time 2					
Dec Page Tank Time 4					
Column Territor Territor Personage Personage Territor		Temp Tank Tree 3	Thermocouple - T		
		Temp Tank Tree 4	Thermocouple - T	PP 1-4	
Page	025	Temp Tank Tree 5	Thermocouple - T	PP 1-5	
Total Seed 2	026	Temp Tank Tree 6	Thermocouple - T	PP 1-6	
Color Team Shell 2	027	Temp Downspout	Thermocouple - T	Downspout	
Temp Steel 3	028		Thermocouple - T		
1900 Term Steel 4				PP 1-9	
Section Temp RTD Tank					
Section Sect		<u> </u>			
1985 Total R Part Parts 2 will see Reading 2 will see Reading 2 will see Reading 2 will see Reading 2 will see 19 will see Reading 2 will see		· · · · · · · · · · · · · · · · · · ·			
2015 Temple De De reference 2016 Percent 2016					
Description Description De		· · · · · · · · · · · · · · · · · · ·			
December December					0007
Description					
Dec Dec		Ready DO to intellifaucet	Contact		
Description	043	Start to intellifaucet	Contact	WHITE(twisted with blk, used on STOP). On Connector Short pin C to E	SPST
DMS	044	Stop to Intellifaucet	Contact	·	SPST
DATE DATE Applications DATE		'		, , ,	
ORG		` ' '		, , , , , , , , , , , , , , , , , , , ,	
Description		· · · · · · · · · · · · · · · · · · ·			
503 Submood Output Tank 1 120 WAC Relay				10 contactor	
			•		
502 Solemoid Output Tank 2 120 VAC Rolley Only on RLT			•		
SS Seemed Output Tank 2 20 VAC Relay Only on RLT					
595 Solemod Fuger Tank 2 20 VAC Retay Only on RLT		·			
	052	Solenoid Output Tank 2	120 VAC Relay	Only on RLT	
1985 Salemod Dupty Tank 3 20 VAC Relay Only on RLT 1986 Salemod Dupty Tank 3 20 VAC Relay Only on RLT 1987 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 20 VAC Relay Only on RLT 1988 Salemod Dupty Tank 4 1989 Salemo	053	Solenoid Input Tank 2	120 VAC Relay	Only on RLT	
1956 Selemoid Dysture Tank 3 20 VAC Relay Only on RLT 1977 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1978 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 20 VAC Relay Only on RLT 1979 Selemoid Dyst Tank 4 1979 Se	054	Solenoid Purge Tank 3	120 VAC Relay	Only on RLT	
1986 Salemold Input Tank 3 20 VAC Relay Only on RLT					
1987 Solenoid Durge Tenk 4 120 VAC Relay 120 VAC Rela					
Select S					
Aglent 10					
Name					
Agient 101 TG Evep 1 - 1N Thermocupie - T NC NC Agient 102 TG Evep 2 Thermocupie - T NC NC Agient 103 TG Evep 3 Thermocupie - T NC NC Agient 104 TG Evep 4 Thermocupie - T NC NC Agient 108 TG Evep 5 - OUT Thermocupie - T PP 3-18 TG Xrs 8 Agient 108 TG Xrs 1 Thermocupie - T PP 3-18 TG Xrs 9 Agient 107 TG Xrs 2 Thermocupie - T PP 2-18 TG Xrs 2 Agient 108 TG Xrs 3 Thermocupie - T PP 2-18 TG Xrs 2 Agient 10 TG Xrs 4 Thermocupie - T PP 1-17 TG Xrs 3 Agient 10 TG Drywet but 3 Thermocupie - T PP 1-17 TG Xrs 3 Agient 11 TG Drywet but 3 Thermocupie - T PP 1-17 TG Xrs 3 Agient 12 TG Drywet but 3 Thermocupie - T PP 1-17 TG Xrs 3 Agient 12 TG Drywet but 3 Thermocupie - T PP 1-17 TG Xrs 1	059	Solenoid Input Tank 4	120 VAC Relay		
Aglent 102 TG Evap 2 Thermocopie - T NC NC NC Aglent 103 TG Evap 4 Thermocopie - T NC NC NC Aglent 108 TG Evap 4 Thermocopie - T NC NC NC Aglent 108 TG Evap 5-OUT Thermocopie - T P P 3-17 TG Xtra 8 TG Xtra 9 Aglent 107 TG Xtra 1 Thermocopie - T P P 2-17 TG Stadow TS TG Stadow TS Aglent 107 TG Xtra 2 Thermocopie - T P P 2-18 TG Stadow TS TG Stadow TS Aglent 109 TG Xtra 4 Thermocopie - T P P 2-19 TG Xtra 2 TG Xtra 2 Aglent 110 TG Drywer bub 1 Thermocopie - T P P 1-17 TG Xtra 2 Aglent 111 TG Drywer bub 2 Thermocopie - T P P 1-11 TG Xtra 2 Aglent 112 TG Drywer bub 3 Thermocopie - T P P P 1-13 TG Evap 2 Aglent 112 TG To Type bub 3 Thermocopie - T P P P 1-13 TG Evap 2 Aglent 112 TG Task 3 Thermocopie - T P P P 1-13 TG Evap 2 Aglent 120 TG To Type 1 TG Evap 2 TG Evap 2					
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Agilent 212 Temp Xtra 5 Thermocouple - T PP-2-12 TC Controls 5 Agilent 213 Temp Xtra 6 Thermocouple - T PP-2-13 TC Shadow T1 Agilent 214 Temp Xtra 7 Thermocouple - T PP-2-14 TC Shadow T2 Agilent 215 Temp Xtra 8 Thermocouple - T PP-2-15 TC Shadow T3 Agilent 216 Temp Xtra 9 Thermocouple - T PP-2-16 TC Shadow T4 Agilent 301 TC Cond1 - IN Thermocouple - T PP-3-1 TC Cond1 - IN Agilent 302 TC Cond2 Thermocouple - T PP-3-2 TC Cond2 Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-7 TC Cond6 Agilent 307 TC Cond8 Thermocouple - T PP-3-8 TC Cond7 Agilent 309 TC Cond8 Thermocouple - T	_		Thermocouple - T		TC Controls 4
Agilent 213 Temp Xtra 6 Thermocouple - T PP-2-13 TC Shadow T1 Agilent 214 Temp Xtra 7 Thermocouple - T PP-2-14 TC Shadow T2 Agilent 215 Temp Xtra 8 Thermocouple - T PP-2-15 TC Shadow T3 Agilent 216 Temp Xtra 9 Thermocouple - T PP-2-16 TC Shadow T4 Agilent 301 TC Cond1 - IN Thermocouple - T PP-3-1 TC Cond1 - IN Agilent 302 TC Cond2 Thermocouple - T PP-3-2 TC Cond2 Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-7 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-8 TC Cond7 Agilent 309 TC Cond8 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T	_				
Agilent 214 Temp Xtra 7 Thermocouple - T PP-2-14 TC Shadow T2 Agilent 215 Temp Xtra 8 Thermocouple - T PP-2-15 TC Shadow T3 Agilent 216 Temp Xtra 9 Thermocouple - T PP-2-16 TC Shadow T4 Agilent 301 TC Cond1 - IN Thermocouple - T PP-3-1 TC Cond1 - IN Agilent 302 TC Cond2 Thermocouple - T PP-3-2 TC Cond2 Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond9 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond10 Agilent 310 TC Cond10 Thermocouple - T PP	_				
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Agilent 216 Temp Xtra 9 Thermocouple - T PP-2-16 TC Shadow T4 Agilent 301 TC Cond1 - IN Thermocouple - T PP-3-1 TC Cond1 - IN Agilent 302 TC Cond2 Thermocouple - T PP-3-2 TC Cond2 Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond12 - OUT					
Agilent 301 TC Cond1 - IN Thermocouple - T PP-3-1 TC Cond1 - IN Agilent 302 TC Cond2 Thermocouple - T PP-3-2 TC Cond2 Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT	_				
Agilent 302 TC Cond2 Thermocouple - T PP-3-2 TC Cond2 Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 303 TC Cond3 Thermocouple - T PP-3-3 TC Cond3 Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 304 TC Cond4 Thermocouple - T PP-3-4 TC Cond4 Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 305 TC Cond5 Thermocouple - T PP-3-5 TC Cond5 Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT	Agilent 303	TC Cond3	Thermocouple - T		TC Cond3
Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT	Agilent 304	TC Cond4	Thermocouple - T	PP-3-4	TC Cond4
Agilent 306 TC Cond6 Thermocouple - T PP-3-6 TC Cond6 Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT		TC Cond5	Thermocouple - T	PP-3-5	TC Cond5
Agilent 307 TC Cond7 Thermocouple - T PP-3-7 TC Cond7 Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT			· · · · · · · · · · · · · · · · · · ·		
Agilent 308 TC Cond8 Thermocouple - T PP-3-8 TC Cond8 Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 309 TC Cond9 Thermocouple - T PP-3-9 TC Cond9 Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 310 TC Cond10 Thermocouple - T PP-3-10 TC Cond10 Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 311 TC Cond11 Thermocouple - T PP-3-11 TC Cond11 Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 312 TC Cond12 - OUT Thermocouple - T PP-3-12 TC Cond12 - OUT					
Agilent 313 NC Thermocouple - T PP-3-13 TC Xtra 4					
	Agilent 313	NC	Thermocouple - T	PP-3-13	TC Xtra 4



T 1-1	T 1-2	T 1-3	T 1-4	T 1-5	T 1-6
MW100 Chan:021	MW100 Chan:022	MW100 Chan:023	MW100 Chan:024	MW100 Chan:025	MW100 Chan:026
Temp Tank Tree 1	Temp Tank Tree 2	Temp Tank Tree 3	Temp Tank Tree 4	Temp Tank Tree 5	Temp Tank Tree 6
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 1-7	T 1-8	T 1-9	T 1-10	T 1-11	T 1-12
MW100 Chan:17	MW100 Chan:028	MW100 Chan:029	MW100 Chan:030	Agilent 101	Agilent 102
Temp Shell 1	Temp Shell 2	Temp Shell 3	Temp Shell 4	Temp Evap1	Temp Evap2
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 1-13	T 1-14	T 1-15	T 1-16	T 1-17	T 1-18
Agilent 103	Agilent 104	Agilent 105	Agilent 106	Agilent 107	Agilent 108
Temp Evap3	Temp Evap4	Temp Evap5	Temp Xtra 1	Temp Xtra 2	Temp Xtra 3
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 2-1	T 2-2	T 2-3	T 2-4	T 2-5	T 2-6
Agilent 110	Agilent 111	Agilent 112	Agilent 113	Agilent 114	Agilent 115
Temp Dry/wet bulb 1	Temp Dry/wet bulb 2	Temp Dry/wet bulb 3	Temp Dry/wet bulb 4	Temp Tsuction	Temp Tdis
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 2-7	T 2-8	T 2-9	T 2-10	T 2-11	T 2-12
Agilent 116	Agilent 201	Agilent 202	Agilent 203	Agilent 204	Agilent 205
Temp Tret	Temp Controls Trise 1	Temp Controls Trise 2	Temp Controls Trise 3	Temp Controls Trise 4	Temp Controls Trise
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 2-13	T 2-14	T 2-15	T 2-16	T 2-17	T 2-18
Agilent 206	Agilent 207	Agilent 208	Agilent 209	Agilent 210	Agilent 211
Temp Shadow T1	Temp Shadow T2	Temp Shadow T3	Temp Shadow T4	Temp Shadow T5	Temp Shadow T6
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 3-1	T 3-2	T 3-3	T 3-4	T 3-5	T 3-6
Agilent 301	Agilent 302	Agilent 303	Agilent 304	Agilent 305	Agilent 306
Temp Condensor 1	Temp Condensor 2	Temp Condensor 3	Temp Condensor 4	Temp Condensor 5	Temp Condensor 6
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 3-7	T 3-8	T 3-9	T 3-10	T 3-11	T 3-12
Agilent 307	Agilent 308	Agilent 309	Agilent 310	Agilent 311	Agilent 312
Temp Condensor 7	Temp Condensor 8	Temp Condensor 9	Temp Condensor 10	Temp Condensor 11	Temp Condensor 12
Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T	Thermocouple - T
T 3-13	T 3-14	T 3-15	T 3-16	T 3-17	T 3-18
Agilent 109	Agilent 212	Agilent 213	Agilent 214	Agilent 215	Agilent 216
Temp Xtra 4	Temp Xtra 5	Temp Xtra 6	Temp Xtra 7	Temp Xtra 8	Temp Xtra 9
Tomp Alia +					

Та
MW100 Chan:033
Temp RTD Tamb
4 wire RTD
Pin 1: I
Pin 2:+/A
Pin 3: -/B
Pin 4: C
Pin 5: Shield
P1

Tin
MW100 Chan:031
Temp RTD Tin
4 wire RTD
Pin 1: I
Pin 2:+/A
Pin 3: -/B
Pin 4: C
Pin 5: Shield

To	out	
M	W100 Chan:032	
	emp RTD Tout	
4	wire RTD	
Ρi	n 1: l	
Ρi	n 2:+/A	
Ρi	n 3: -/B	
Ρi	n 4: C	
Ρi	n 5: Shield	

P2
MW100 Chan:012
Pressure - High Side 2
Pin 1: +V 24 VDC
Pin 2: Sense 1-5 VDC
Pin 3: DC_GND
Pin 4: Shield

DRM
MW100 Chan:045
Pin 4 - DRM 1 (input Low Bit)
MW100 Chan:046
Pin 5- DRM 0 (input High Bit)
Contact Out Pin 8 Ref
Pins 1,2,3,6,7: NC

Serial 1
Pin 1: RXD
Pin 2: TXD
Pin 3: GND
Pin 4: Shield
Pin 5: No Con
Pin 6: No Con

Serial 3	
Pin 1: RXD	
Pin 2: TXD	
Pin 3: GND	
Pin 4: Shield	
Pin 5: No Con	
Pin 6: No Con	

GAS
Unused
Pin 1: +V
Pin 2: +Sense
Pin 3:-Sense
Pin 4: DC_GND
Pin 5: Shield
Pin 6: No Con

Serial 4
Pin 1: RXD
Pin 2: TXD
Pin 3: GND
Pin 4: Shield
Pin 5: No Con
Pin 6: No Con

H1	
MW100 Chan:015	
Top Heater Voltage	
DI 240 VAC Relay	

H2
MW100 Chan:016 Bot Heater Voltage
Bot Heater Voltage
DI 240 VAC Relay

H3	
Unused	