

=====

Parent Part #: H27-00001

ValleyView Partners Ergo-S w/

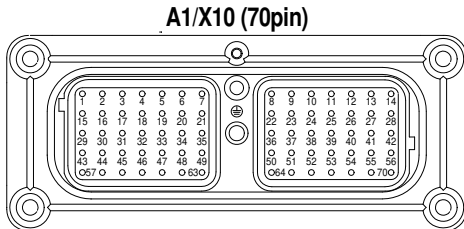
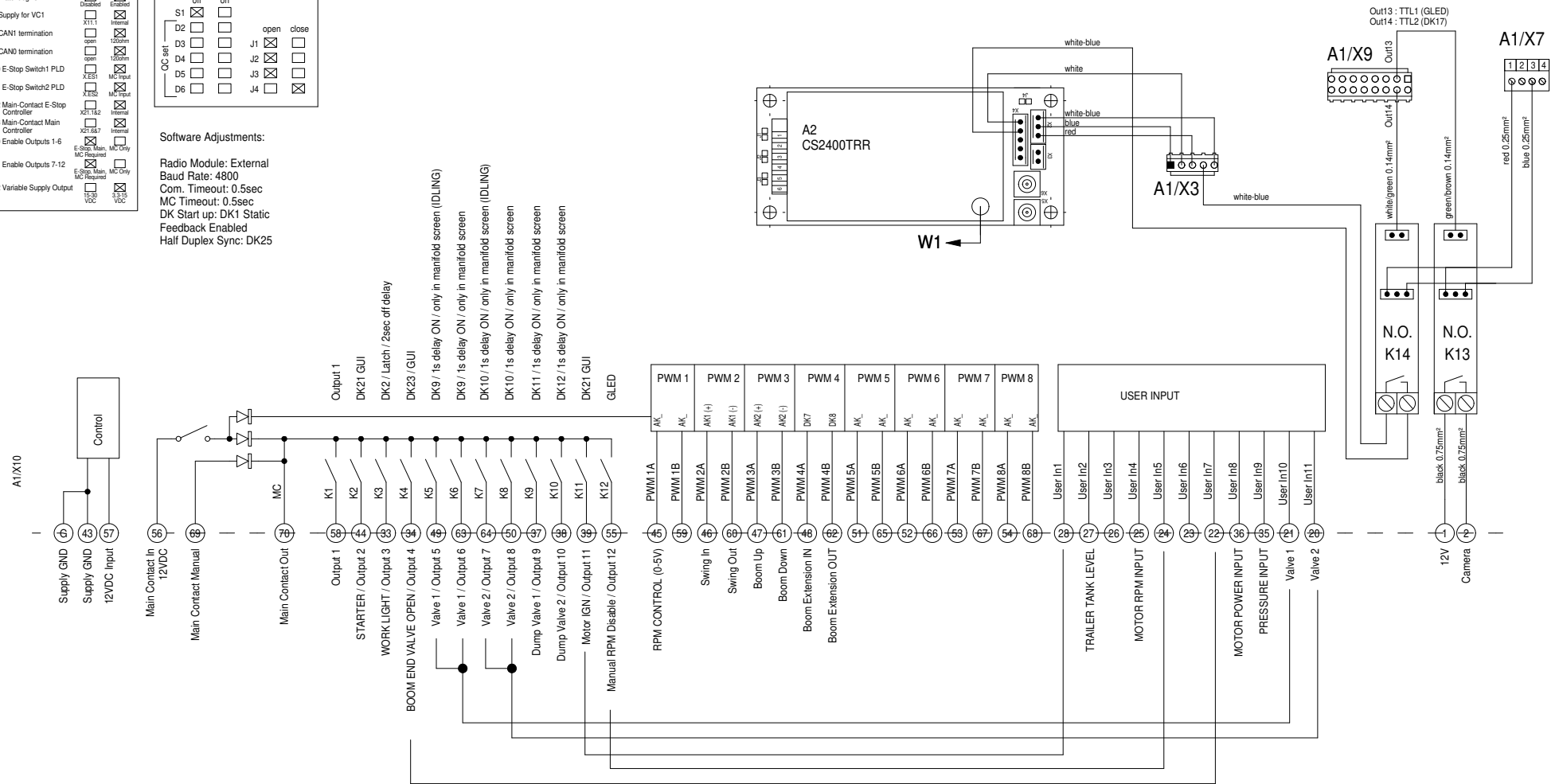
Component Part #	Description	Quantity		Reference
		Per	Units	
H27-00001TX	Transmitter only, H27-00001	1.00	EA	
H27-00001RX1	Receiver 1, H27-00001	1.00	EA	
H27-00001RX2	Receiver 2, H27-00001	1.00	EA	
H9-01156	6ft pigtail for H27-00001RX1	1.00	EA	
H9-01157	6ft pigtail for H27-00001RX2	1.00	EA	

MLC jumper settings	open	close
J1 Supply for VC2	X11.2	Internal
J2 Watchdog IC	Internal	Internal
J3 Supply for VC1	X11.2	Internal
J4 CAN1 termination	8pin	120ohm
J7 CAN0 termination	open	120ohm
J10 E-Stop Switch1 PLD	XES1	MC Input
J11 E-Stop Switch2 PLD	ES2	MC Input
J12 Main-Contact E-Stop Controller	X11.1a2	Internal
J13 Main-Contact Main Controller	X11.6a7	Internal
J20 Enable Outputs 1-6	E-Stop: Main MC Required	MC Only
J21 Enable Outputs 7-12	E-Stop: Main MC Required	MC Only
J22 Variable Supply Output	VDC	VDC

2400TR			
frequency settings			
S1	<input checked="" type="checkbox"/>	off	on
D2	<input checked="" type="checkbox"/>	off	on
D3	<input type="checkbox"/>	off	on
D4	<input type="checkbox"/>	off	on
D5	<input type="checkbox"/>	off	on
D6	<input type="checkbox"/>	off	on
J1	<input checked="" type="checkbox"/>	open	close
J2	<input checked="" type="checkbox"/>	open	close
J3	<input checked="" type="checkbox"/>	open	close
J4	<input checked="" type="checkbox"/>	open	close

#### Software Adjustments:


Radio Module: External  
Baud Rate: 4800  
Com. Timeout: 0.5sec  
MC Timeout: 0.5sec  
DK Start up: DK1 Static  
Feedback Enabled  
Half Duplex Sync: DK25

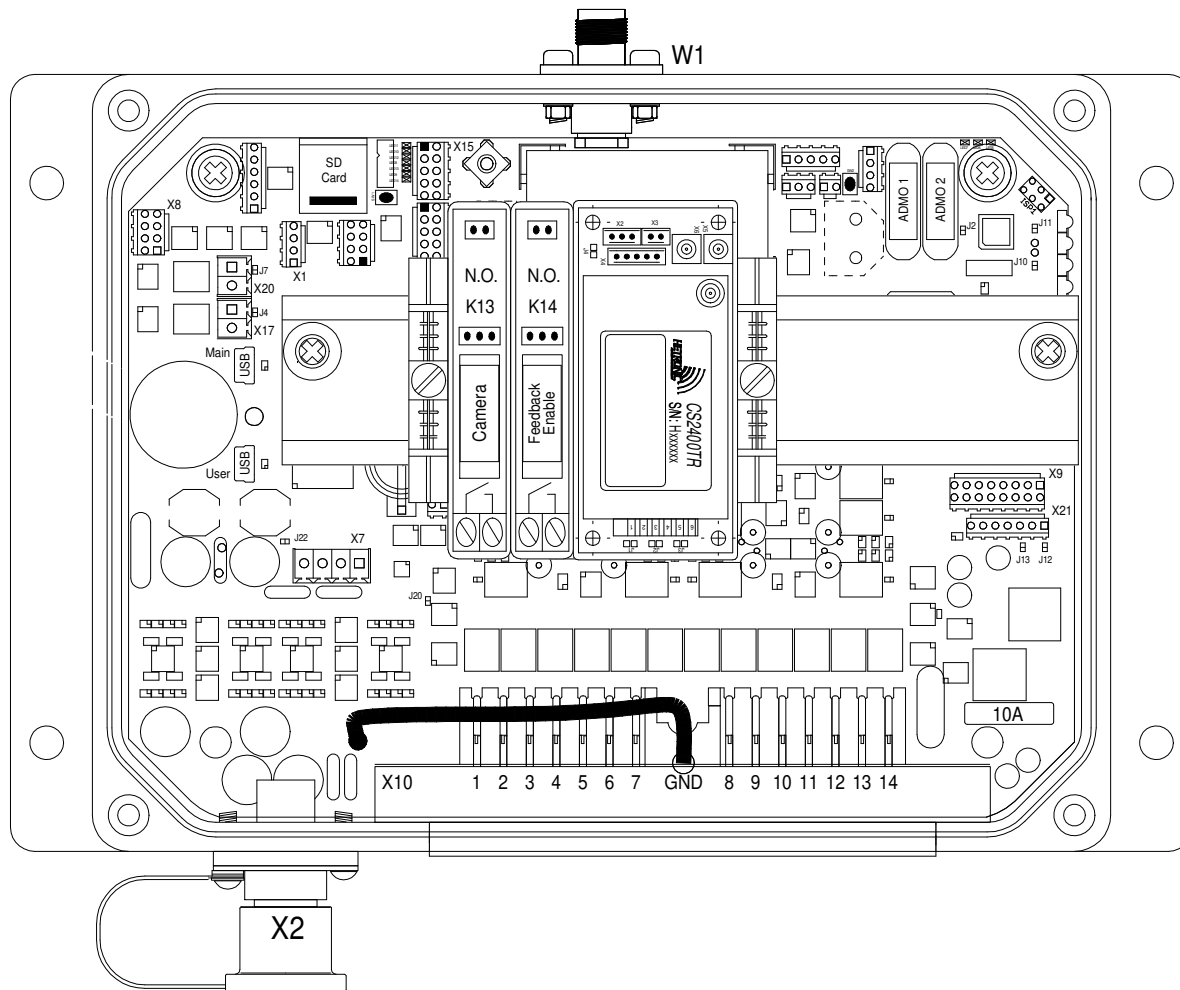


## Receiver Input / Output Assignment

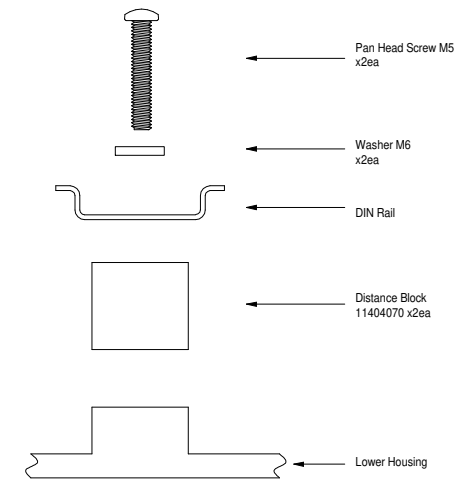
OUT6 and OUT8 interlock each other


QC Note:  
See H27-00001 Manual for output activation

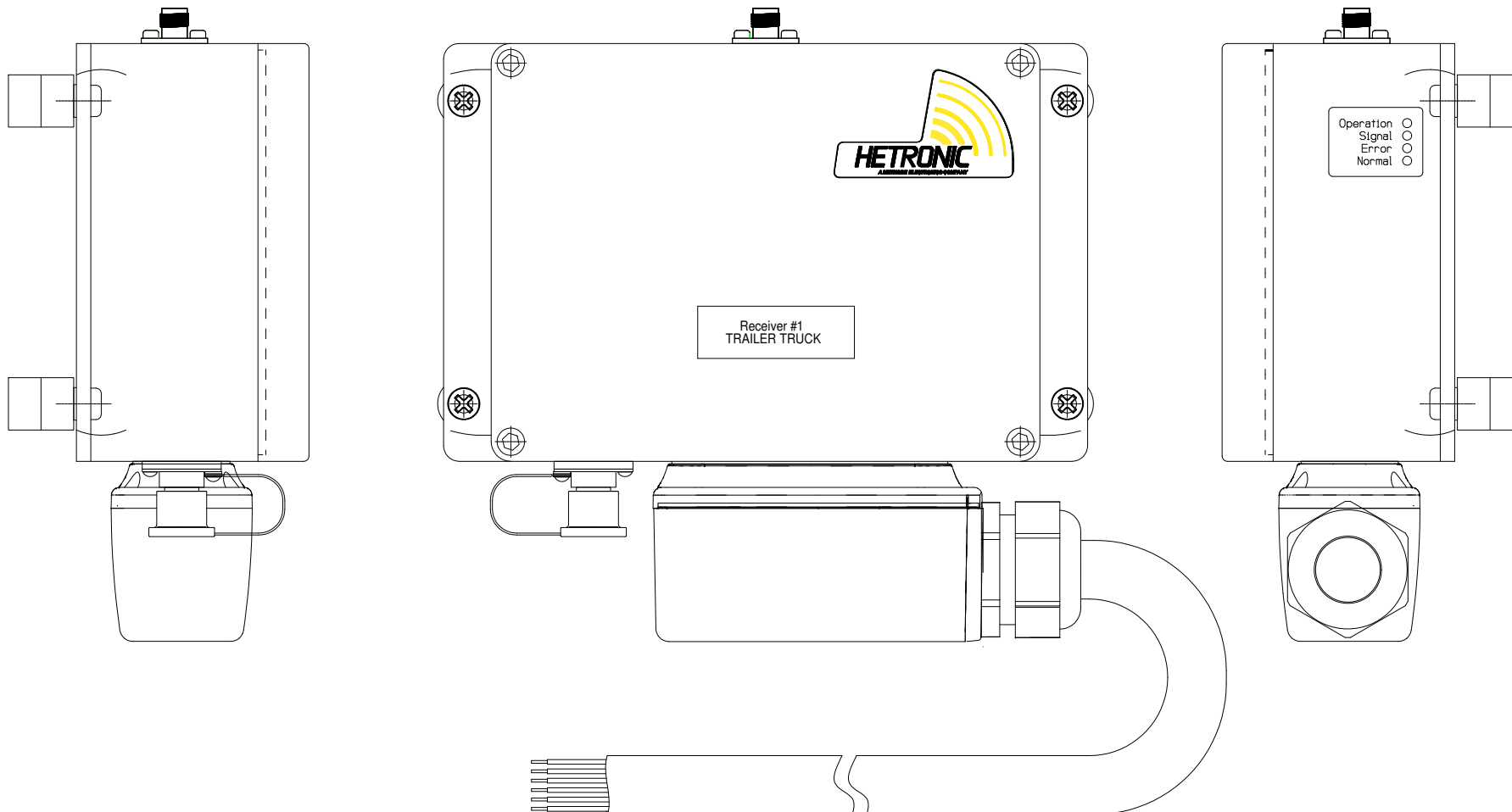
Type:	RX MLC-K	Author:	E. Leones
Customer:	Valley View Partners	Approved By:	
End User:	--	Page:	Date:
		1 of 10	04-01-20
 <b>Hetronic USA</b>	Drawing-No.:	Rev:	
	H27-00001RX1	--	




## Mounting Rail Installation



Type:	RX MLC		Author:	E. Leones	
Customer:	Valley View Partners		Approved By:		
End User:	---		Page:	2 of 10	Date: 04-01-20
 <b>Hetronic USA</b>	Drawing-No.:		H27-00001RX1		Rev:
					-




Type:	RX MLC-K	Author:	E. Leones
Customer:	Valley View Partners	Approved By:	
End User:	--	Page:	Date:
		3 of 10	04-01-20
 Hetronic USA	Drawing-No.:	Rev:	
	H27-00001RX1	--	

	Deliver to: Hetronic USA 3905 NW 36th Street Oklahoma City, OK 73112 phn: 405-946-3574					
		Tx	Rx	Service	Shipping	Instructions (internal)
		---	X	---	---	-----



Background Color		Text / Symbol Color		Label Material
yellow (unless specified)		Black (unless specified)		.2mm

Type:	Label File	Author:	E. Leones		
Customer:	Valley View Partners	Approved By:			
End User:	--	Page:	4 of 10	Date:	04-01-20
	Hetronic USA		Drawing-No.:		Rev:
			H27-00001RX1		--

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Parent Part #: H27-00001RX1  
 Receiver 1, H27-00001

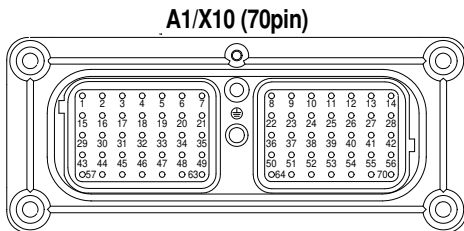
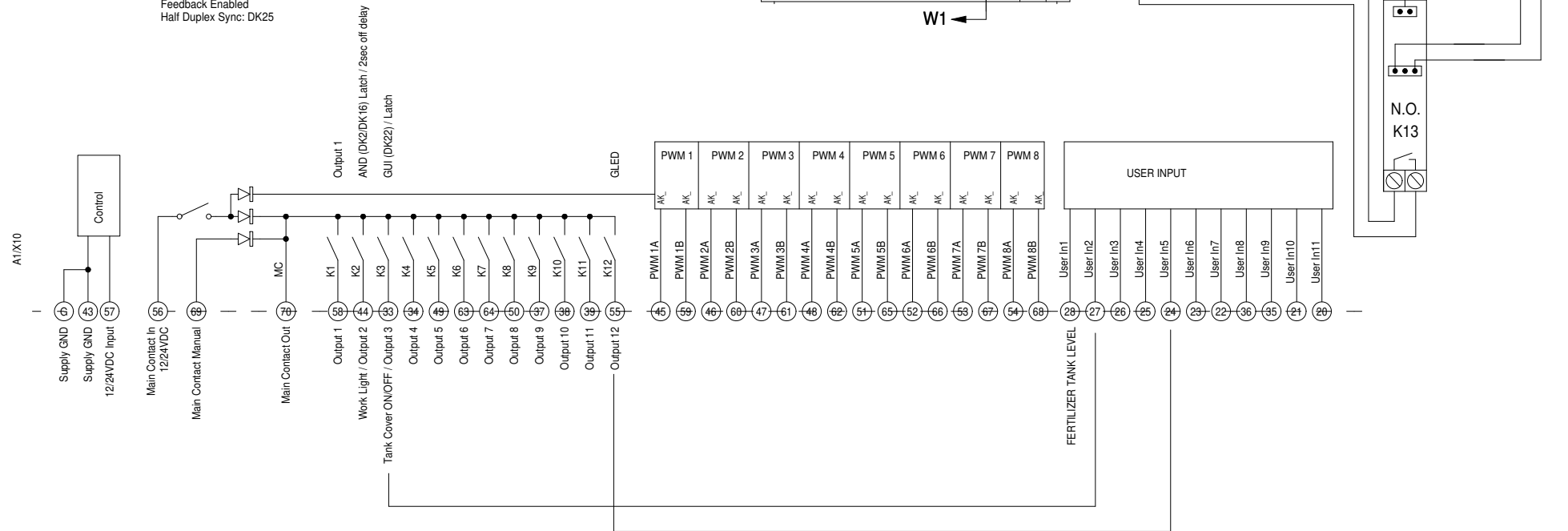
Component Part #	Description	Quantity		Reference
		Per	Units	
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B11107	AC/DC Converter 24V 60W	1.00	EA	A3
H27-00001RX1-L	Label Set for H27-00001RX1	1.00	EA	LABEL
11404070	Distance Block 20x10x18mm Black	2.00	EA	
2910360122	Screw M6x12 PH A2/SS C DIN7985	4.00	EA	
51012150	Rubber Cush C-D20 H20 M6x5.8 70Shore NBR / Inside/Inside	4.00	EA	
51101101	Termination for RX Modules (Weidmuller ZEW35)	2.00	EA	
51101865	Mounting Rail 165mm / BMS 2x 15.5mm	1.00	EA	
56005000	Module Output NO Contact	2.00	EA	K13/K14
56506605	Antenna Gainflex GK-442TF-R 2.4GHz TNC-Plug Rev. Polarity	1.00	EA	ANT
60103515	Address Module ADMO Unit incl. Hsg BLK	1.00	EA	
60103530	Module ADMO Unit w/ Hsg YEL w/ IC 1024	1.00	EA	
6699240051	Synth Transc CS2400TRR w/ Internal Feedback Function	1.00	EA	A2
72041200.A-2400TR	RX MLC-HL Receiver	1.00	EA	RX

MLC jumper settings		
J1 Supply for VC2	<input type="checkbox"/> open	<input checked="" type="checkbox"/> close
J2 Watchdog IC	<input type="checkbox"/> Disabled	<input checked="" type="checkbox"/> Enabled
J3 Supply for VC1	<input type="checkbox"/> X1T1	<input checked="" type="checkbox"/> Internal
J4 CAN1 termination	<input type="checkbox"/> 80ohm	<input checked="" type="checkbox"/> 120ohm
J7 CAN0 termination	<input type="checkbox"/> open	<input checked="" type="checkbox"/> 120ohm
J10 E-Stop Switch1 PLD	<input type="checkbox"/> X2E1	<input checked="" type="checkbox"/> MC Input
J11 E-Stop Switch2 PLD	<input type="checkbox"/> X2T1	<input checked="" type="checkbox"/> Internal
J12 Main-Contact E-Stop Controller	<input type="checkbox"/> X2T1a2	<input checked="" type="checkbox"/> Internal
J13 Main-Contact Main Controller	<input type="checkbox"/> X2T1a7	<input checked="" type="checkbox"/> Internal
J20 Enable Outputs 1-6	<input type="checkbox"/> E-Stop: Main	<input checked="" type="checkbox"/> MC Only
J21 Enable Outputs 7-12	<input type="checkbox"/> E-Stop: Main	<input checked="" type="checkbox"/> MC Only
J22 Variable Supply Output	<input type="checkbox"/> VDC	<input checked="" type="checkbox"/> VDC

2400TR			
frequency settings			
S1	<input checked="" type="checkbox"/> off	<input type="checkbox"/> on	
D2	<input type="checkbox"/>	<input type="checkbox"/>	J1
D3	<input type="checkbox"/>	<input type="checkbox"/>	J2
D4	<input type="checkbox"/>	<input type="checkbox"/>	J3
D5	<input type="checkbox"/>	<input type="checkbox"/>	J4
D6	<input type="checkbox"/>	<input type="checkbox"/>	
OC set		open	close


#### Software Adjustments:

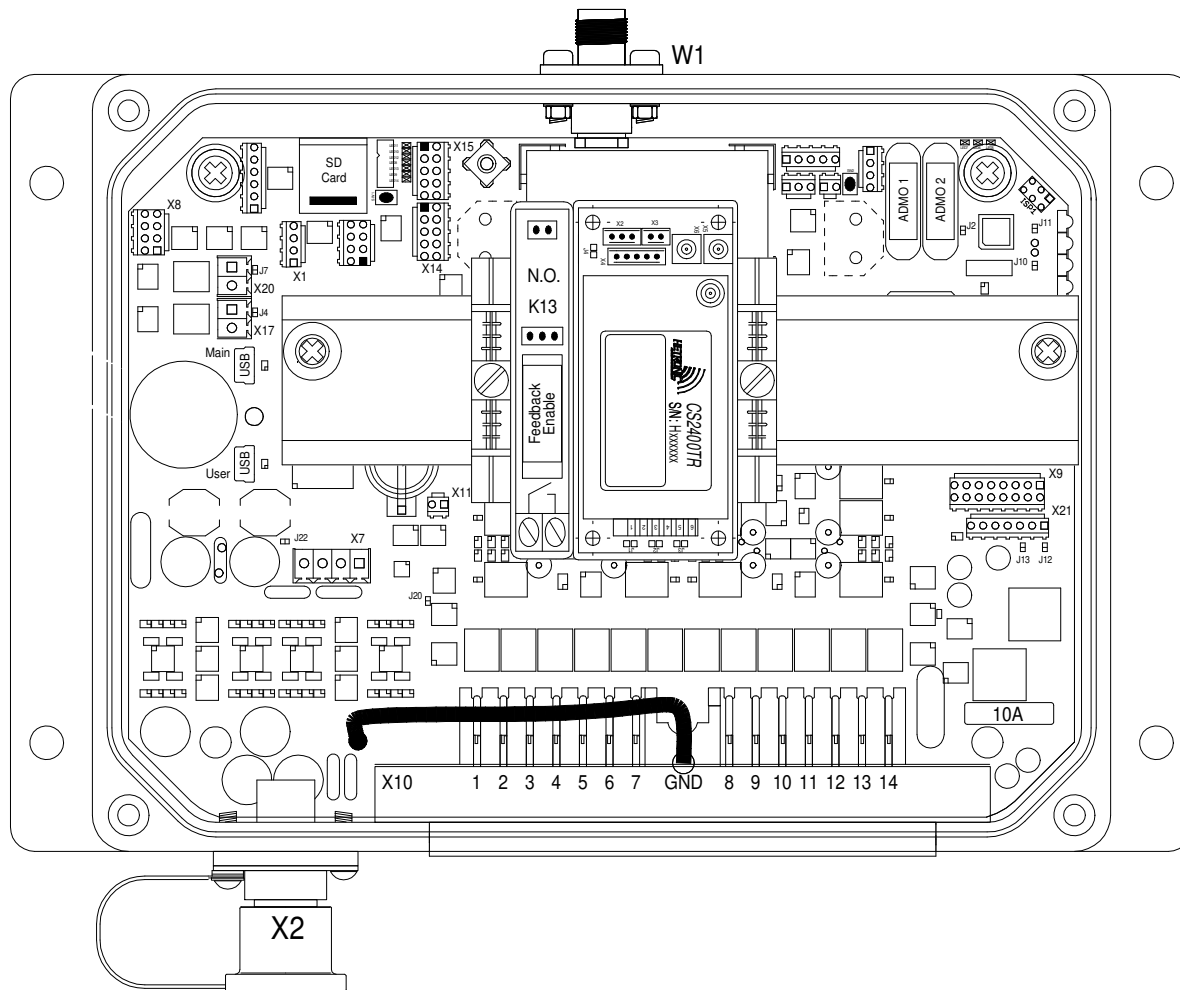
Radio Module: External  
Baud Rate: 4800  
Com. Timeout: 0.5sec  
MC Timeout: 0.5sec  
DK Start up: DK1 Static  
Feedback Enabled  
Half Duplex Sync: DK25



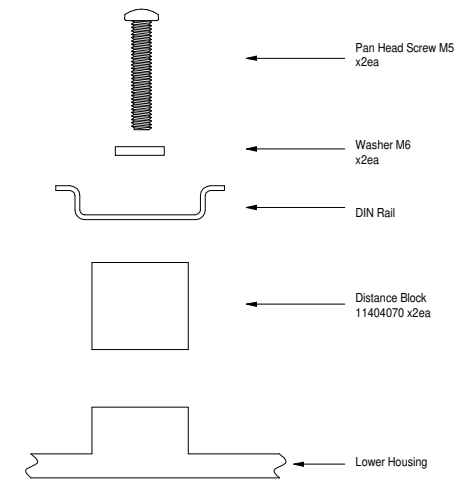
## Receiver Input / Output Assignment


## RECEIVER NOT RATED

Type:	RX MLC-K		Author:	E. Leones	
Customer:	Valley View Partners		Approved By:		
End User:	---		Page:	5 of 10	Date:
					04-01-20
 <b>Hetronic USA</b>			Drawing-No.: H27-00001RX2		Rev: --

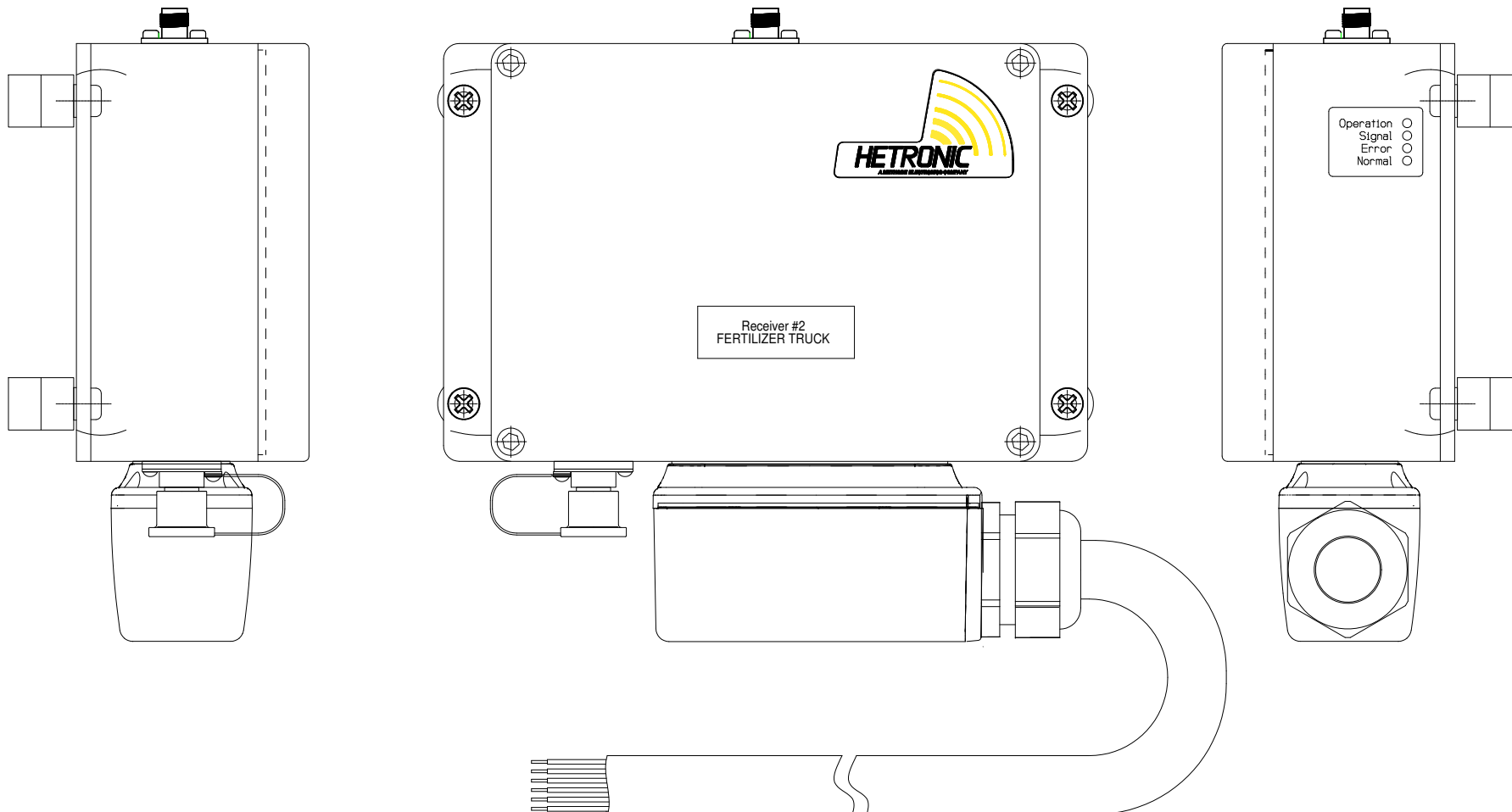



## Mounting Rail Installation



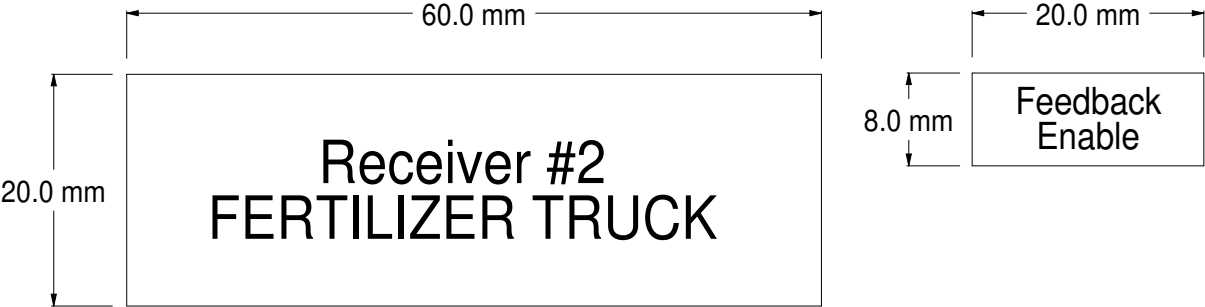
Type:	RX MLC		Author:	E. Leones	
Customer:	Valley View Partners		Approved By:		
End User:	---		Page:	6 of 10	Date: 04-01-20
 <b>Hetronic USA</b>	Drawing-No.:		H27-00001RX2		Rev:
					-






Type:	RX MLC-K	Author:	E. Leones
Customer:	Valley View Partners	Approved By:	
End User:	--	Page:	Date:
		7 of 10	04-01-20
 Hetronic USA	Drawing-No.:	Rev:	
	H27-00001RX2	--	

	Deliver to: Hetronic USA 3905 NW 36th Street Oklahoma City, OK 73112 phn: 405-946-3574					
		Tx	Rx	Service	Shipping	Instructions (internal)
		---	X	---	---	-----



Background Color		Text / Symbol Color		Label Material
yellow (unless specified)		Black (unless specified)		.2mm

Type:	Label File	Author:		E. Leones	
Customer:	Valley View Partners	Approved By:			
End User:	--	Page:	8 of 10	Date:	04-01-20
 Hetronic USA		Drawing-No.:		Rev:	
		H27-00001RX2		--	

Parent Part #: H27-00001RX2  
Receiver 2, H27-00001

Component Part #	Description	Quantity		Reference
		Per	Units	
B11107	AC/DC Converter 24V 60W	1.00	EA	A3
H27-00001RX2-L	Label Set for H27-00001RX2	1.00	EA	LABEL
11404070	Distance Block 20x10x18mm Black	2.00	EA	
2910360122	Screw M6x12 PH A2/SS C DIN7985	4.00	EA	
51012150	Rubber Cush C-D20 H20 M6x5.8 70Shore NBR / Inside/Inside	4.00	EA	
51101101	Termination for RX Modules (Weidmuller ZEW35)	2.00	EA	
51101865	Mounting Rail 165mm / BMS 2x 15.5mm	1.00	EA	
56005000	Module Output NO Contact	1.00	EA	K13
56506605	Antenna Gainflex GK-442TF-R 2.4GHz TNC-Plug Rev. Polarity	1.00	EA	ANT
60103515	Address Module ADMO Unit incl. Hsg BLK	1.00	EA	
60103530	Module ADMO Unit w/ Hsg YEL w/ IC 1024	1.00	EA	
6699240051	Synth Transc CS2400TRR w/ Internal Feedback Function	1.00	EA	A2
72041200.A-2400TR	RX MLC-HL Receiver	1.00	EA	RX

S0  
DK31 / DK32



Software Settings:  
 RF Module: CS2400TR  
 Tx Baud Rate: 4800  
 Telegram Type: 32DK+8AK  
 Auto Off: Disabled  
 Low Battery: Medium  
 Shut down Delay: 2.0 sec

Half Duplex  
 DK Sync: DK25  
 Single Step Buttons  
 Cable Control Mode: Auto

2400TR		
frequency settings		
	off	on
S1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D2	<input type="checkbox"/>	<input type="checkbox"/>
D3	<input type="checkbox"/>	<input type="checkbox"/>
D4	<input type="checkbox"/>	<input type="checkbox"/>
D5	<input type="checkbox"/>	<input type="checkbox"/>
D6	<input type="checkbox"/>	<input type="checkbox"/>

SW Interlock Setting	
S1-S2	<input type="checkbox"/> not interlock
S3-S4	<input checked="" type="checkbox"/> interlock
S5-S6	<input type="checkbox"/> not interlock
S7-S8	<input type="checkbox"/> not interlock
SA-SB	<input type="checkbox"/> not interlock
SC-SD	<input type="checkbox"/> not interlock

Jumper Settings	
J1:	Open
J2:	Open

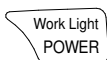
Type:	Ergo-S V1		Author:	E. Leones	
Customer:	Valley View Partners		Approved By:		
End User:	---		Page:	9 of 10	Date:
				04-01-20	
			Drawing-No.:	H27-00001TX	Rev:
				---	

	Deliver to: Hetricon USA 3905 NW 36th Street Oklahoma City, OK 73112 phn: 405-946-3574					
		Customer:		---		
		Tx	Rx	Service	Shipping	Instructions (internal)
		X	---	---	---	

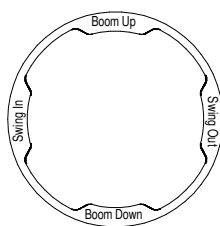
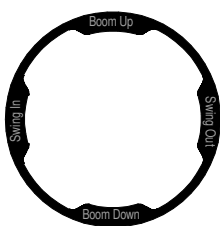
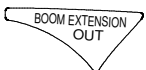
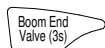
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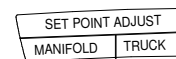
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Text : Yellow



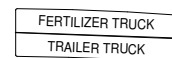
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Text : Gray



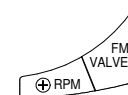
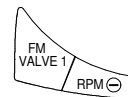
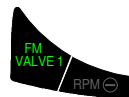
Background : Black  
Text : Green / Gray / Blue  
Line : White



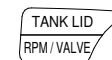
Background : Black  
Text : Gray / Blue  
Line : White




Background : Black  
Text : Gray / Green  
Line : White



Background : Black  
Text : Blue / Green  
Line : White



Background / Text or Symbol Color		Label Material
See above labels		.2mm

Type:	Ergo-S Label		Author:	E. Leones	
Customer:	Valley View Partners		Approved By:		
End User:	---		Page:	10 of 10	Date: 04-01-20
	Hetronic USA		Drawing-No.:	H27-00001TX	Rev: ---

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Parent Part #: H27-00001TX  
Transmitter only, H27-00001

Component Part #	Description	Quantity		Reference
		Per	Units	
H27-00001TX-L	Label Set for H27-00001TX	1.00	EA	LABEL
669924000161	Synth Transc CS2400TRT w/ Internal Feedback Function	1.00	EA	A2
7169211101.A-434	ERGO-S V1 w. TFT + JS Single Step	1.00	EA	



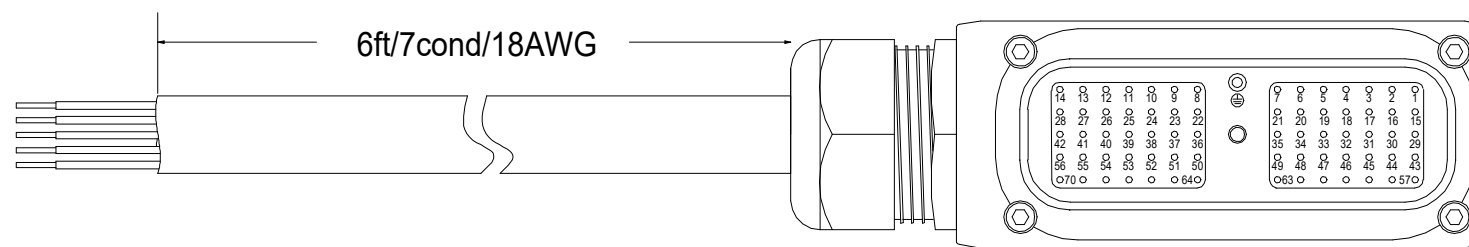
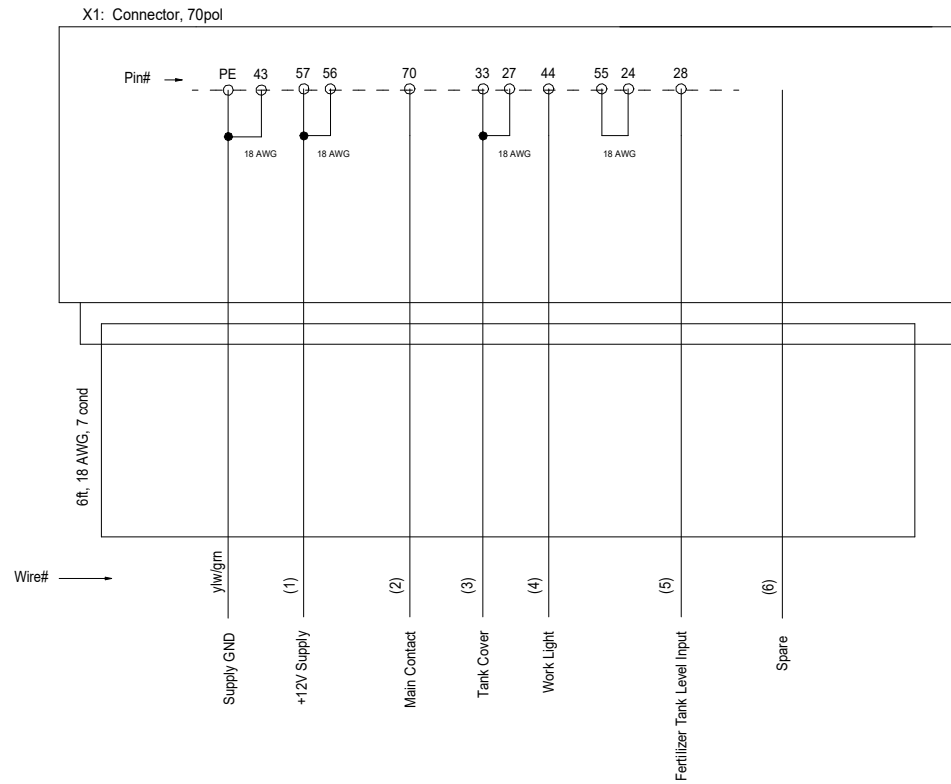
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Parent Part #: H9-01156

6ft pigtail for H27-00001RX1

Component Part #	Description	Quantity		Reference
		Per	Units	
=====				
601825	Cable, 18 AWG, 25 cond	7.00	EA	
K17844	70-pole mating connector kit with hard connector cover	1.00	EA	





**NOTES:**

- Replace M40 rubber seal with PG29 rubber seal.
- Fill all unused connector pins with pin plugs.
- Use 18 AWG wire or equivalent for all internal plug wiring.
- Strip all ends of output wires to expose 10mm conductor

Type:	6' Harness for H27-00001RX2		Author:	E. Leones	
Customer:	Valley View Partners		Approved By:		
End User:	---		Page:	1 of 1	Date: 05-07-20
Hetric USA			Drawing-No.: H9-01157		Rev: --

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Parent Part #: H9-01157

6ft pigtail for H27-00001RX2

Component Part #	Description	Quantity		Reference
		Per	Units	
601807	Cable, 18 AWG, 7 cond	7.00	EA	
K17844	70-pole mating connector kit with hard connector cover	1.00	EA	