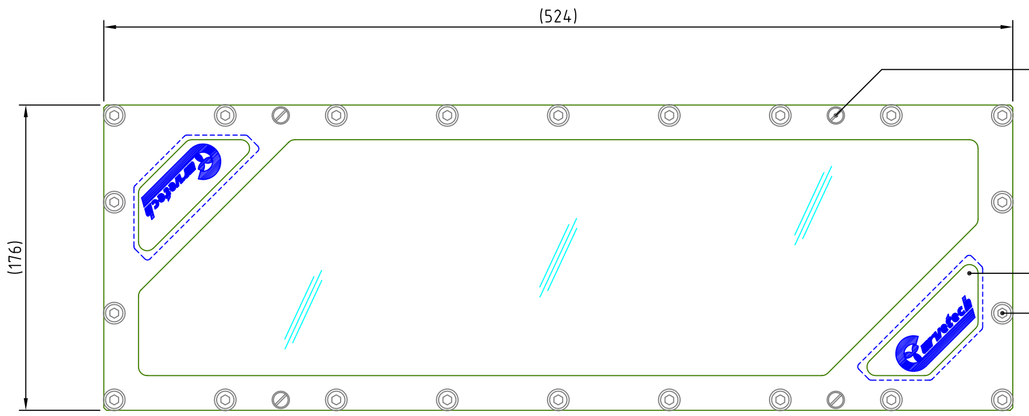
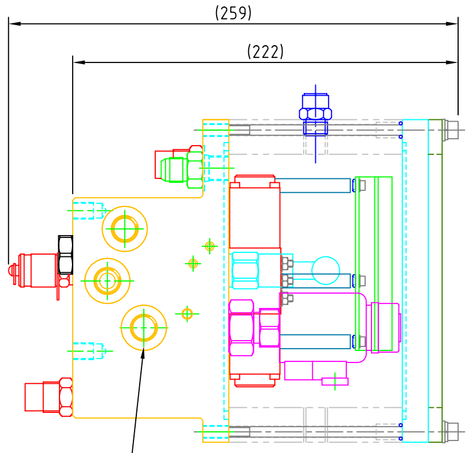
DRAWING NO.	ISSUE NO.	
AB4015	0	A1
SHEET 1 OF 1		

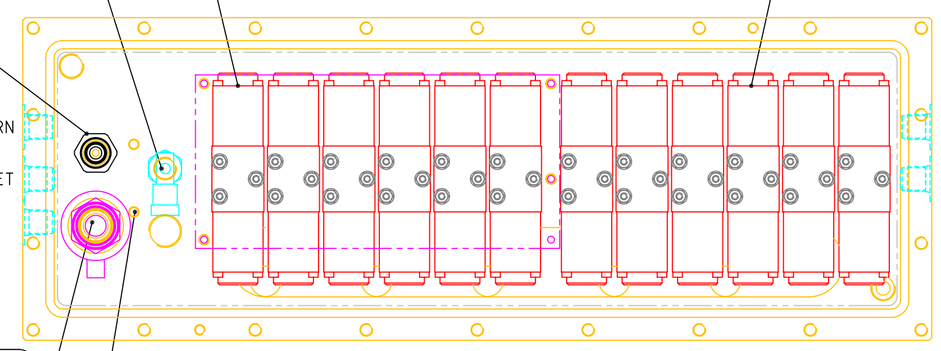
CAD



- PB5023 - BOLT, M5 x 25L, SHCS, SS - 4 OFF
- PA4768 - WASHER, M5, SPRING, SS - 4 OFF
- PA4892 - WASHER, M5 FLAT, SS - 4 OFF
- AA1643 - LOGO PLATE - 2 OFF
- PH3687 - BOLT, M6 x 140L, SHCS, SS - 22 OFF
- PB9764 - WASHER, M6, SPRING, SS - 22 OFF
- PA0546 - WASHER, M6 FLAT, SS - 22 OFF

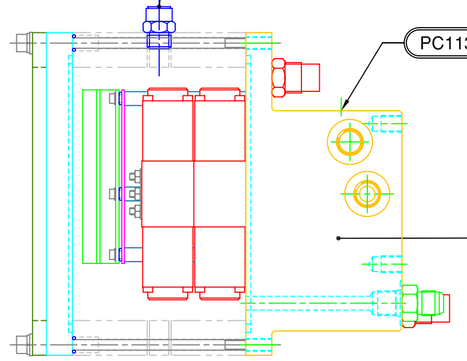


9/16"UNF PRESSURE SUPPLY PORT

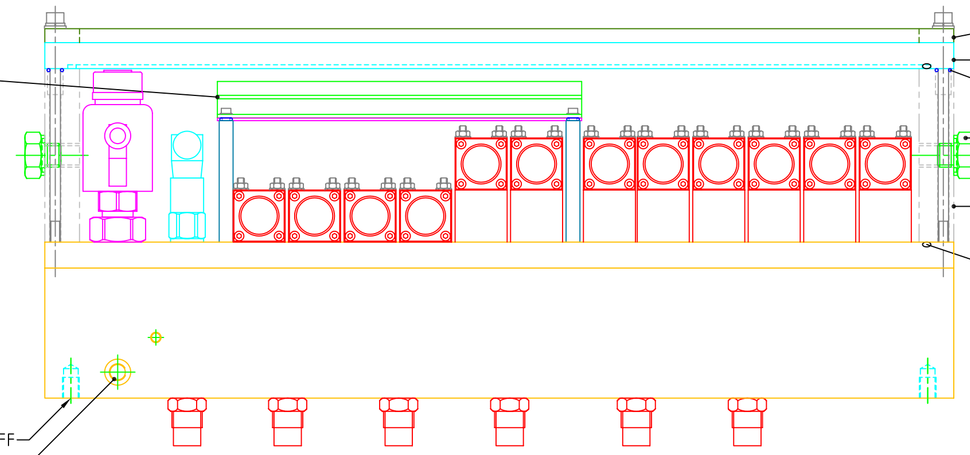


- PROP DIRECTIONAL VALVE, MINI 3 - 4 OFF - AA5061
- BOLT, M5 x 35L, SHCS, SS - 12 OFF - PE4415
- WASHER, M5, SPRING, SS - 12 OFF - PA9746
- PRESSURE SENSOR - PK4444
- VALVE DIRECTIONAL SOLENOID - AB6843
- SOLENOID 24V TWIN LEAD - AB6866
- 9/16"UNF RETURN
- 9/16"UNF PRESSURE OUTLET
- SOLENOID SUN - AA4251
- VALVE SUN PILOT STAGE RELIEF - AB7618
- VALVE PROP PRESSURE REDUCING - AB6842
- KOENIG PLUG, 6 DIA, SS - 3 OFF - PD0360
- AA5063 - VALVE P/O CHECK & THERMAL RELIEF - 8 OFF
- AA5059 - VALVE DIR MINI 3 24V FLYING LEADS - 8 OFF
- OB1240 - STUD BOLT, M4 x 73L - 24 OFF (CUT TO SUIT)
- ON1047 - STEP NUT, M4 - 24 OFF
- 9/16"UNF RETURN
- 9/16"UNF PRESSURE OUTLET

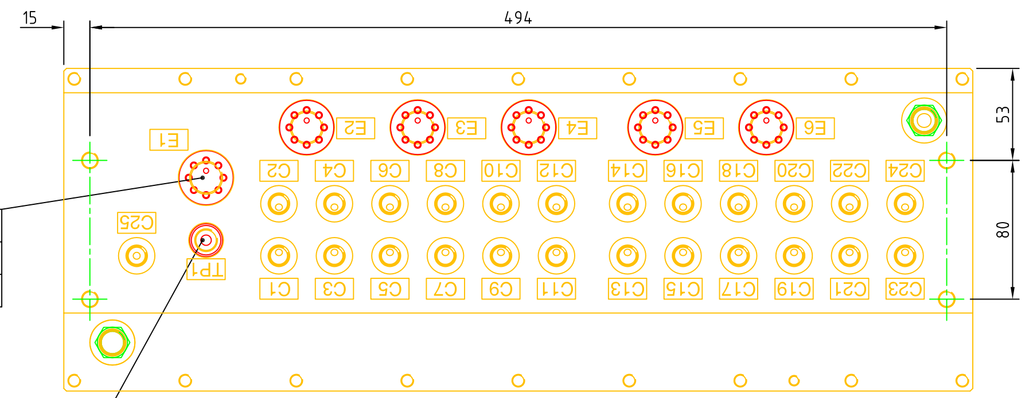
PLAN VIEW
W/O HOUSING AND COVER
NOTE - HOUSING SHOWN GHOSTED FOR CLARITY



- PD8370 - RELIEF VALVE, 1/4"NPT
- PC1130 - KOENIG PLUG, 5 DIA, SS - 12 OFF
- AB5392 - MANIFOLD, 12 STATION HCU
- PD5642 - HELICOIL INSERT, M8x1.25 x 1.5D, SS - 4 OFF
- PD5645 - HELICOIL INSERT, M6x1.0 x 1.5D, SS - 22 OFF
- PD5648 - HELICOIL INSERT, M5x0.8 x 1.5D, SS - 4 OFF
- PD5650 - HELICOIL INSERT, M4x0.7 x 2D, SS - 36 OFF



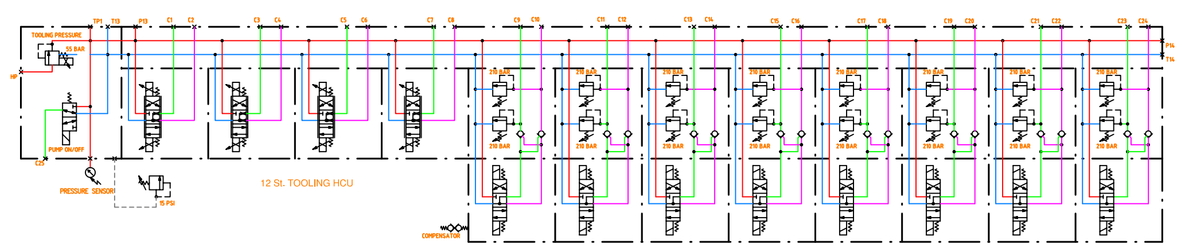
- PCB, MULTIFUNCTION VALVE CONTROLLER - AA0439
- PCB MOUNTING PLATE - AA1581
- STANDOFF - 4 OFF - AA1583
- O-RING - 4 OFF - AA0820
- BOLT, M3 x 12L, PAN HD, SS - 4 OFF - PD8585
- WASHER, M3, SPRING, SS - 4 OFF - PB8758
- M8 MOUNTING HOLES - 4 OFF
- VSR PLUG, 1/8"BSP - PJ8944
- AA5179 - CLAMP
- AA5177 - COVER
- PA9812 - O-RING - 22 OFF
- PB5944 - 1/4"NPT PLUG, SS - 3 OFF
- AB6875 - HOUSING
- OR1040 - O-RING CORD, 3mm DIA - 2 OFF



- ADAPTOR DORN FITTING (SIZE 2) - 6 OFF - AB6665
- GLAND CAP DORN - 6 OFF - AB7887
- GLAND PLUG DORN - 6 OFF - AB7888
- SEAL O-RING BS019 (20.35 X 1.78) - 6 OFF - PB9936
- TEST POINT, 1/4"BSP, SS - PD3852

PORT SIZES

HP	PRESSURE SUPPLY PORT	9/16"UNF SAE J475
P13, P14	PRESSURE OUTLET PORTS	9/16"UNF SAE J475
T13, T14	RETURN PORTS	9/16"UNF SAE J475
C1 - C24	SERVICE PORTS	7/16"UNF SAE J475
C25	AUXILIARY OUTLET PORT	9/16"UNF SAE J475
-	COMPENSATION PORT	9/16"UNF SAE J475



NO.	DATE	CHANGE	ZONE	DRAWN	CHECK

MATERIAL	DIMENSIONS	SCALE	PROJECTION 3RD
N/A	mm	1:2.5	

DESIGNED	DRAWN	TOLERANCES UNLESS OTHERWISE STATED				
R.GARNER	M.BARNES	DIMENSION mm	UP TO 100	100 TO 300	300 TO 1000	OVER 1000
DATE 05/11/07	CHECKED RJP	FABRICATION	± 1.0	± 1.5	± 2.0	± 3.0
		MACHINED PART	± 0.15	± 0.4	± 0.8	± 1.0

TITLE: GA. 12-STATION HCU

DO NOT SCALE

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