	Г	Digital Sidecar 1				Digital Sidecar 2		
Connection Type	What is Plugged in?	Motor Type	What does it do?	Connection Type	What is Plugged in?	Motor Type	What does it do?	
WM								
•	1 Victor x2	CIM	Left Drive / PTO	1	Victor	Window/AM PG	Shooter Elevation	
	2 Victor x2	CIM	Right Drive / PTO	2	Victor		Shooter Indexer	
:	3 Servo	Servo	Left Drive Shifter	3	Victor	Fisher Price	Left Drive	
4	4 Servo	Servo	Right Drive Shifter	4	Victor	Fisher Price	Right Drive	
	5 Servo	Servo	PTO Shifter	5				
	6 Servo		Flipper	6				
	7 Victor	CIM	Shooter Wheel F	7				
	8 Victor	CIM	Shooter Wheel B	8				
	9 Victor x2	AM 775 w/ Dewalt	Climber Deploy	9				
	0 Victor	Banebot	Harvester Roller	10				
gital I/O								
	1 Encoder		Left Drive	1	Limit Switch		Climber 1	
	2 Encoder		Left Drive		Limit Switch		Climber 2	
	3 Encoder		Right Drive	3			Olimber 2	
	4 Encoder		Right Drive	4				
	5 Encoder		Left Drive Shaft	5				
	6 Encoder		Left Drive Shaft	6				
	7 Encoder		Right Drive Shaft	7				
				8			+	-
	8 Encoder		Right Drive Shaft					_
	9 Encoder		Shooter Wheel F	9				
	0 Encoder		Shooter Wheel F	10				
	1 Encoder		Shooter Wheel B	11				
	2 Encoder		Shooter Wheel B	12				
	3 Photo-Electric		Harvester	13				
	4 Photo-Electric		Fipper	14				
lay	4 Delevi	Limbé	Ding Light	1	l	1		
	1 Relay	Light	Ring Light Disc entered harvester, Climber	1				
•	2 Polav	Light	in contact with Dyramid	1 2				
	2 Relay	Light	in contact with Pyramid	2		-		
3	3	Light	in contact with Pyramid	3				
3	3 4	Light	in contact with Pyramid	3 4				
3 2 5	3 4 5	Light	in contact with Pyramid	3 4 5				
3 2 5	3 4 5 6	Light	in contact with Pyramid	3 4 5 6				
3 2 5 6	3 4 5 6 7	Light	in contact with Pyramid	3 4 5 6				
5 5 6 7	3 4 5 6	Light	in contact with Pyramid	3 4 5 6				
2 5 6 7 8 alog Inputs	3 4 5 6 7 8	Light		3 4 5 6				
2 5 6 7 8 8 alog Inputs	3 4 5 6 7 8		Robot Rotation	3 4 5 6				
5 6 7 8 alog Inputs	3 4 5 6 7 8 8 1 Gyro 2 Pot	5 Turn	Robot Rotation Harvestor/Shooter Position	3 4 5 6				
2 5 6 7 8 8 alog Inputs	3 4 5 6 7 8 8 9 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension	3 4 5 6				
2 5 6 7 7 8 8 alog Inputs	3 4 5 6 7 8 8 9 9 9 9 9 9 9 9	5 Turn	Robot Rotation Harvestor/Shooter Position	3 4 5 6				
2 5 6 7 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 7 8 8 9 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy	3 4 5 6				
2 4 5 6 6 7 7 8 8 8 10g Inputs 1 2 2 5 6 6 6	3 4 5 6 6 7 8 8 9 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
2 4 5 6 6 7 7 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 6 7 8 8 8 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy	3 4 5 6				
3 4 5 6 6 7 7 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 6 7 8 8 9 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
3 4 5 6 7 8 8 alog Inputs	3 4 5 6 6 7 8 8 8 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
2 5 6 6 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 6 7 8 8 8 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
2 5 6 6 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 6 7 8 8 8 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
2 5 6 6 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 6 7 8 8 8 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
alog Inputs alog Inputs ft think	3 4 5 6 6 7 8 8 8 9 9 1 9 9 9 9 9 9 9	5 Turn 10 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
alog Inputs alog Inputs ft	3 4 5 6 6 7 8 8 8 9 9 9 9 9 9 9	5 Turn 10 Turn 5 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
alog Inputs alog Inputs ft tght	3 4 5 6 6 7 8 8 8 8 9 9 9 9 9 9	5 Turn 10 Turn 5 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
alog Inputs alog Inputs ft ght	3 4 5 6 6 7 8 8 8 8 9 9 9 9 9 9	5 Turn 10 Turn 5 Turn 10.0.27.11	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
analog Inputs analog	3 4 5 6 6 7 8 8 8 8 8 8 8 8 8	5 Turn 10 Turn 5 Turn	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
alog Inputs alog Inputs ft ght	3 4 5 6 6 7 8 8 8 8 9 9 9 9 9 9	5 Turn 10 Turn 5 Turn 10.0.27.11	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				
2 4 5 6 6 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 4 5 6 6 7 8 8 8 8 8 8 8 8 8	5 Turn 10 Turn 5 Turn 10.0.27.11	Robot Rotation Harvestor/Shooter Position Climber Extension Climber Deploy Motor 1 Current	3 4 5 6				