

PinNo	Wire Color at Series57	Signal	Polarity	Function	Interfaced to	Notes
1	Red	24V				to Motor PEC
2	Red	24V				
3	Red	24V				to Small PEC
4	Red	24V				
5	Blue	<0>	active Lo	Punch bit	SN75463	
6	White	<1>	active Lo	Punch bit	SN75463	
7	Orange	<2>	active Lo	Punch bit	SN75463	
8	Turquoise	<5>	active Lo	Punch sprocket	SN75463	
9	Yellow	<3>	active Lo	Punch bit	SN75463	
10	Blue	<4>	active Lo	Punch bit	SN75463	
11	White	<5>	active Lo	Punch bit	SN75463	
12	Orange	<6>	active Lo	Punch bit	SN75463	
13	Blue	<7>	active Lo	Punch bit	SN75463	
14	Brown	Fwd	active Lo	Fwd motion	SN75463	by one hole
15	Yellow	Rev	active Lo	Rev motion	SN75463	
16	Grey	En ?	active Lo ?	Run motor ?	SN75463	
17	Black	0V				to Small PEC
18	-	-				
19	-	-				
20	Grey Coax Core	Sync_n	phasing ?	Shaft position indicator	SN7414	to encoder board
21		-				
22		-				
23	Black & Grey Coax Screen	0V				to Motor PEC and Coax Screen
24	Black	0V				to Small PEC
Notes						
No snubbers fitted to SN57463, by OEM - Data Dynamics						
SN57463 rated for 300 mA at 30V						
SN7414 has schmidt trigger inputs						
Amphenol Series 57 connectors are OEM fit						
https://www.aliexpress.com/item/1005006090562117.html						24pin male is mating half
https://www.aliexpress.com/item/1005009783352292.html						Rubber feet : M4 x 15 O x 15 L