Encoder Substitution ES1 Pin Out	ACK A-30 S/N	TRANSCAL SSD120	TRANSCAL D-120p2T	KING KEA129/130	AmeriKING AK-350	TERRA AT3000	NARCO AR850	SANDIA SAE 35
1	No Connection	28 v Heater GND	D4	D4	No Connection	No Connection	No Connection	D4
2	A 1	A 1	A 1	A 1	A 1	A 1	A 1	A 1
3	A 2	A 2	A 2	A 2	A 2	A 2	A 2	A 2
4	A 4	A 4	A 4	A 4	A 4	A 4	A 4	A 4
5	B 1	B 1	B 1	B 1	B 1	B 1	B 1	B 1
6	Strobe	Strobe	Strobe	Strobe	Strobe	Strobe	Strobe	Strobe
7	Spare A+	14v Heater GND	No Connection	No Connection	No Connection	No Connection	No Connection	No Connection
8	14/28 VDC	No Connection	28 VDC	28 VDC	14/28 VDC	14/28 VDC	14/28 VDC	14/28 VDC
9	B 2	B 2	B 2	B 2	B 2	B 2	B 2	B 2
10	B 4	B 4	B 4	B 4	B 4	B 4	B 4	B 4
11	C 1	C 1	C 1	C 1	C 1	C 1	C 1	C 1
12	C 4	C 4	C 4	C 4	C 4	C 4	C 4	C 4
13	C 2	C 2	C 2	C 2	C 2	C 2	C 2	C 2
14	No Connection	14/28 VDC	14 VDC	14VDC	No Connection	No Connection	No Connection	14/28 VDC
15	DC GND	DC GND	DC GND	DC GND	DC GND	DC GND	DC GND	DC GND