

RPG ELCO-56 pins assignment

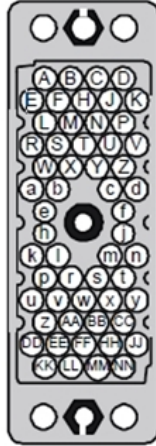
Pin-out legend

Signal name	Type of feature	Reference
CAM1:4	CAM Phasing output	Engine Synchronous Pulse Generation / Pulse train outputs
EST1:12	Engine Spark Timing input	Engine Synchronous signals capture
EST_BIAS_VOLT	Bias voltage input for EST	Engine Synchronous signals capture / Rails
HIRES	High-Resolution Position Pulse output	Engine Synchronous Pulse Generation / HIRES
INJ1:12	Injector input	Engine Synchronous signals capture
INJ_BIAS_VOLT	Bias voltage input for INJ	Engine Synchronous signals capture / Rails
KNOCK_OUT	Knock output signal	Knock sensor output simulation
KNOCK_HI_RES	Filtered knock output signal	Knock sensor output simulation
RESET	0 deg. pulse output	Engine Synchronous Pulse Generation / Reset
RP1:8	Reference Pulse output	Engine Synchronous Pulse Generation / Pulse train outputs
RPBV1:8	Bias voltage input	Reference pulse bias voltage
TDC	Top Dead Center output	Engine Synchronous Pulse Generation / Pulse train outputs
ID_CBL0:3, ID_CBL (GND)	Cable ID	Cable Identification

Reference Pulse Generator Module pin-out

Elco Eq. # (female)	Elco Pin name (female)	Signal Name	Input Line	Output Line
1	A	TDC		x
2	B	HIRES		x
3	C	INJ_BIAS_VOLT (Rev 2.1+)	x	
		RESET (previous versions)		x
4	D	KNOCK_OUT		x
5	E	CAM3		x
6	F	CAM2		x
7	H	CAM1		x
8	J	EST_BIAS_VOLT (Rev 2.1+)	x	
		Spare (previous versions)		
9	K	KNOCK_HI_RES		x
10	L	RPBV3	x	
11	M	RPBV2	x	
12	N	RPBV1	x	
13	P	CAM4	x	
14	R	RPBV8	x	
15	S	RPBV7	x	
16	T	RPBV6	x	
17	U	RPBV5	x	
18	V	RPBV4	x	
19	W	RP4		x
20	X	RP3		x
21	Y	RP2		x
22	Z	RP1		x
23	a	RP8		x
24	b	RP7		x
25	c	RP6		x
26	d	RP5		x
27	e	EST2	x	
28	f	EST1	x	

Female ELCO Connector 56 pins



Elco Eq. # (female)	Elco Pin name (female)	Signal Name	Input Line	Output Line
29	h	EST4	x	
30	j	EST3	x	
31	k	EST8	x	
32	l	EST7	x	
33	m	EST6	x	
34	n	EST5	x	
35	p	EST12	x	
36	r	EST11	x	
37	s	EST10	x	
38	t	EST9	x	
39	u	INJ5	x	
40	v	INJ4	x	
41	w	INJ3	x	
42	x	INJ2	x	
43	y	INJ1	x	
44	z	INJ9	x	
45	AA	INJ8	x	
46	BB	INJ7	x	
47	CC	INJ6	x	
48	DD	ID_CBL0	x	
49	EE	ID_CBL (GND)		x
50	FF	INJ12	x	
51	HH	INJ11	x	
52	JJ	INJ10	x	
53	KK	ID_CBL4	x	
54	LL	ID_CBL3	x	
55	MM	ID_CBL2	x	
56	NN	ID_CBL1	x	