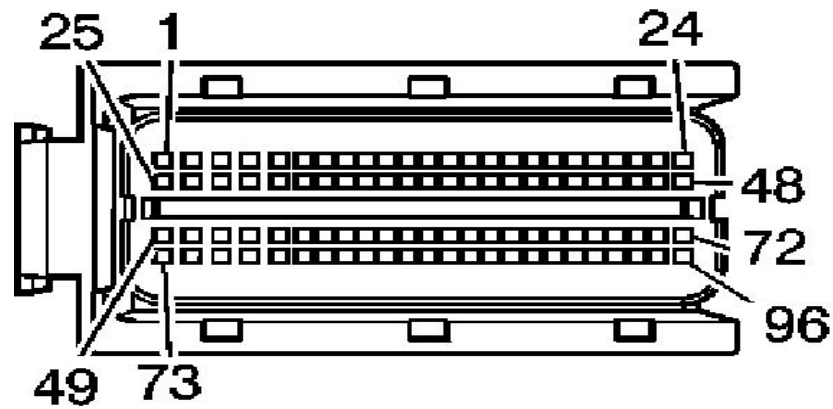


X1



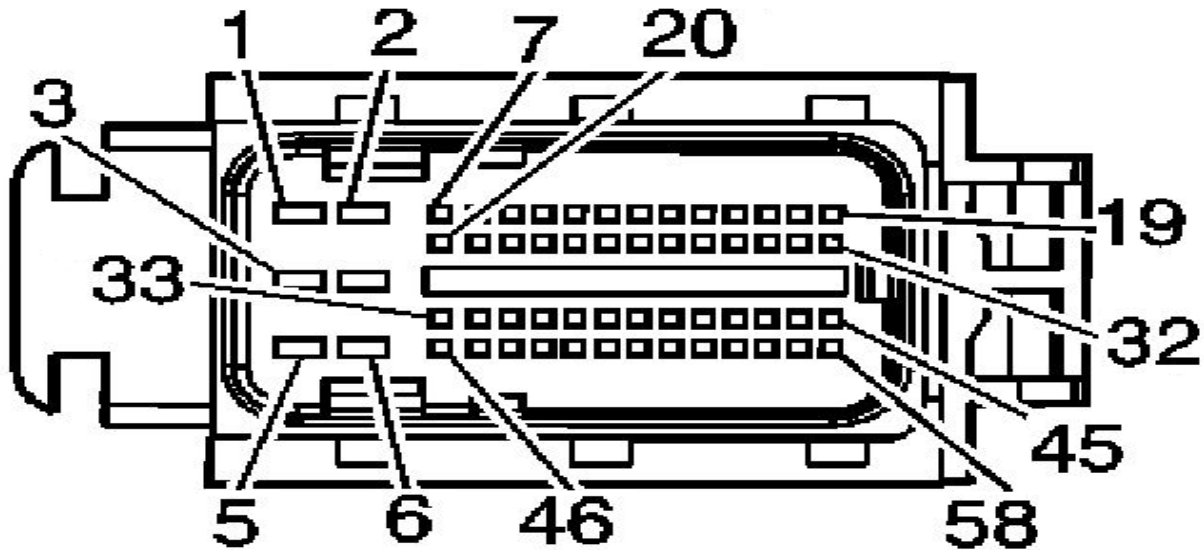
	colour	function
1	org	fuel inj volts 1&4
2	dk bl/wh	inj 8
3	org/blk	inj 7
6	org/blk	low ref - MAP pin A
7	ppl	crank volt - 12v input when cranking
8	yel	PTO switch
9	brn	oil level switch
10	gry/blk	cruise resume - momentary 12v to resume cruise
11	gry/blk	low ref - CKP pin 2
12	gry	5v ref 3 - MAP pin C
13	tan	5v ref 3 - turbo vane pos sensor pin A
15	gry/wh	5v ref 2 - EOP pin 3
18	yel	MAF signal - MAF pin 1
19	lt gn	MAP signal - MAP pin B
20	yel	turbo vane pos sensor signal - pin C
21	lt blu	APP sensor 2 signal - APP pin 2
23	blk	low ref - EOP pin 1
24	ppl/wh	FPR volts - FPR pin 1
25	pnk	inj volts 3&8
26	yel/blk	inj 6
27	pnk/blk	inj 3
30	org/blk	low ref - FPR sensor pin 1
32	gry	CPP switch (manual only) 12v when clutch is released
34	dk blu	cruise set - momentary 12v to set cruise
37	gry	5v ref 3 - EGR valve pin A
38	tan	5v ref 2 - APP pin 3
39	tan or blu	5v ref 2 - FPR sensor pin 3
40	ppl/wh	5v ref 1 - CKP sensor pin 3
41	dk bl	5v ref 1 - CMP sensor pin 3
42	tan/blk	IAT sensor signal - MAF pin 2
44	tan/wh	oil pressure signal - EOP pin 2
46		DSP 5 Signal side switch
47	tan	low ref ECT - ECT pin A
48	dk blu	turbo vane position solenoid - pin A
49	ppl	Fuel inj volts 3 inj 2&5

LBZ E35A ECM pinout diagram
NON EMISSIONS COMPLIANT

Derks Custom Cars, Biggar
matt@derkscustomcars.com

X1	50	tan/wh	inj 5
	51	lt blu/blk	inj 4
	53	yel/blk	low ref IAT 2 - IAT 2 pin B
	54		DSP 5 Ground side switch
	55	gry/blk	low ref - MAF pin 4
	56	dk blu/wh	CMP sensor signal - CMP pin 1
	57	gry/blk	4WD low signal - GND in low range
	58	lt gn	coolant level - GND if low
	61	gry	cruise on - constant 12v when cruise is on
	62	blk	low ref MAF - MAF pin 1
	63	org/blk	low ref turbo vane position - pin B
	65	lt blu	IAT sensor signal 2 - IAT 2 pin 1
	66	ppl/wh	EGR temp 1 - EGR temp sensor 1 pin 1
	67	brn/wh	EGR position signal - EGR valve pin C
	68	yel	ECT signal - ECT sensor pin B
	71	yel/blk	starter enable - GND side of start relay if ECM controls starter
	72	yel	fuel pressure - FPR sensor pin 2
	73	yel	fuel inj volts 2 inj 6&7
	74	blk	inj 1
	75	lt gn/blk	inj 2
	76	pnk	IGN 1 volts - 12v in run and start 15A fuse
	77	red/wh	B+ 10A fuse
	78	ppl	low ref APP - APP pin 1
	79	wh/blk	CKP signal - CKP pin 1
	82	tan/wh	axle switch signal - GND when axle locked
	84	gry	backup light volts
	85	yel/blk	water in fuel - WIF sensor pin A, pin B to ground
	86	blk	low ref - EGR valve pin B
	88	brn	low ref - CMP pin 2
	92	yel	FPR sensor signal - FPR sensor pin 2
	96	wh	low ref - turbo vane solenoid pin B

X2






	colous	Funtion
1	pnk	IGN 1 - hot in start and run 25A, tied together with pin 3 & 5
2	blk/wh	GND
3	pnk	IGN 1
4	blk/wh	GND
5	pnk	IGN 1
6	blk/wh	GND
9	dk gn	Class 2 data - pin 2 OBD2 port
12	dk gn/wh	fuel pump - 12v to fuel balance relay
13	tan	low ref - AC system
15	wh/blk	5v ref 3 - APP pin 4
16	dk bl	wait to start indicator - GND side of light
19	yel	ECM relay - GND side
21	pnk	IGN 1 - hot in start and run 15A
22	lt blu	brake light input - 12v when brakes are pressed*
23	brn	alternator signal - pin B RH alternator
24	brn	alternator 2 signal - pin B LH alternator
27	gry	5v ref 2 - AC system
29	brn	low ref - APP pin 6
30	brn/wh	MIL ctrl - GND side of MIL light
31	dk gn/wh	AC relay ctrl
33	org/blk	EGR motor high - EGR pin D
34	tan/blk	low ref - fuel level sensors
35	org/blk	AC ref v pressure
36	ppl	fuel level signal
38	gry	alternator signal - pin C RH alternator
39	org/blk	P/N signal - to TCM
44	tan	data bus - OBD2 port pin 14
45	org/blk	vss signal in
46	lt gn/blk	EGR motor low - EGR pin F

LBZ E35A ECM pinout diagram
NON EMISSIONS COMPLIANT

Derks Custom Cars, Biggar
matt@derkscustomcars.com

X2	47	brn	lof ref - fuel rail temp pin 1
	48	yel	fuel temp signal - fuel rail temp pin 2
	49	dk blu	APP sensor sig 1 - APP pin 5
	50	lt blu/wh	fuel level signal
	54	yel/blk	vss out
	55	wht	tach out
	56	pnk	IGN 0 - 12v in start and run
	57	tan/blk	data bus + OBD2 port pin 6

-  Remove for EGR Removal
-  Optional
-  Optional DSP 5 wiring