

Cobra ODE

Quick Reference v1.0



January 2015

QUICK REFERENCE

Cobra ODE Hardware reference					
	QSB SATA Solder Required	Bypass Swap Disc Required	DMC** Module Required	Bypass* Cover Switch Required	Emu USB QSB Available (4.30A, 5.10B and 5.30A ONLY)
FAT 2k 2k1	No	OFW 4.60+	OFW 4.60+	No	Yes
2k5 3k	Yes	OFW 4.60+	OFW 4.60+	No	Yes
4k	Yes	OFW 4.55+	No	Yes	Yes
			Installation JTAG Adaptor + FFC cables Or solder to RX pin on ODE PCB (v3 and v4 ODE revisions For 4k consoles on 4.55)	Cover Switch Installation Required	
v3.xx v4.20 v4.20A			Yes	Solder Wire	No
v4.30A			Yes	Solder Wire	Yes
v5.10B			Yes	JTAG Eject PCB + FFC cables	Yes
V5.30A			Yes	FFC Cables Only	Yes

* Not required when DMC module is used.

** Needed for PATA, SATA FAT, 2k, 2k5 and 3k models.

Cobra ODE revision vs PS3 model compatibility				
Cobra ODE version	FAT *** 2k & 2k1	2k5	3k	4k
v3.00 v3.10 v4.20 v4.20A v4.30A V5.30A	Yes	Yes	Yes	Yes
v4.20 - QSV v4.20A - QSV v5.10B - QSV	No	Yes	Yes	Yes

*** FAT consoles (SATA) CECHL, CECHM, CECHP and CECHQ with drive controller BMD-21 will be supported in a future hardware iteration.

PATA models: Cables required

Model	Function	Cobra ODE PCB v3.xx	Length
CECHA To CECHG	Motherboard to ODE	FFC Cable, 60 Positions, Same side contact	320 mm
	Drive to ODE	FFC Cable, 60 Positions, Opposite side contact	320 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	300 mm
CECHH To CECHK	Motherboard to ODE	FFC Cable, 60 Positions, Same side contact	320 mm
	Drive to ODE	FFC Cable, 60 Positions, Opposite side contact	320 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	370 mm
Model	Function	Cobra ODE PCB v4.20 and Higher	Length
CECHA To CECHG	Motherboard to ODE	FFC Cable, 60 Positions, Same side contact	220 mm
	Drive to ODE	FFC Cable, 60 Positions, Same side contact	270 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	300 mm
CECHH To CECHK	Motherboard to ODE	FFC Cable, 60 Positions, Same side contact	220 mm
	Drive to ODE	FFC Cable, 60 Positions, Same side contact	270 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	370 mm

SATA models: Cables required

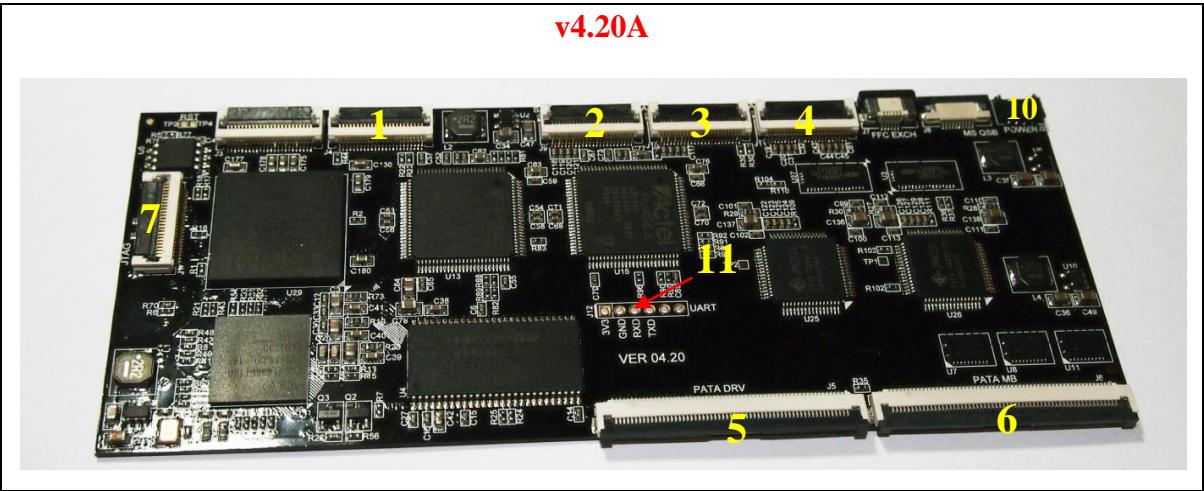
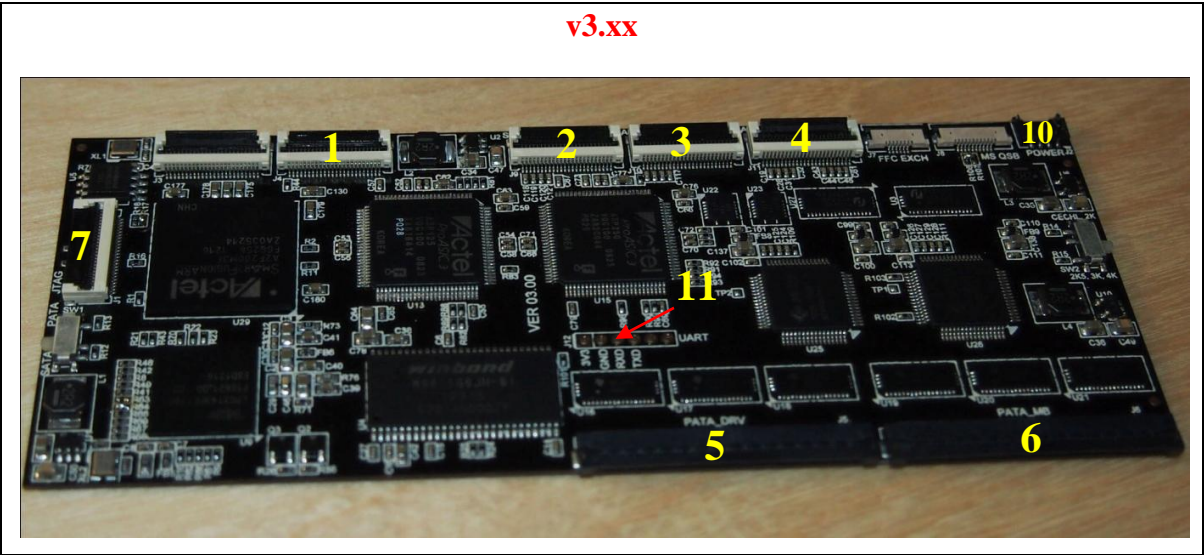
Model	Function	Cobra ODE PCB v3.xx, v4.20, v4.20A	Length
CECHL	Motherboard to ODE	FFC LVDS Cable, 24 Positions, Same side contact	300 mm
	Drive to ODE	FFC LVDS Cable, 24 Positions, Opposite side contact	370 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	350 mm
2XXX & 21XX	Motherboard to ODE	FFC LVDS Cable, 24 Positions, Same side contact	300 mm
	Drive to ODE	FFC LVDS Cable, 24 Positions, Same side contact	350 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	370 mm
Model	Function	Cobra ODE PCB v4.30, v5.30A	Length
CECHL	Motherboard to ODE	FFC LVDS Cable, 24 Positions, Opposite side contact	150 mm
	Drive to ODE	FFC LVDS Cable, 24 Positions, Opposite side contact	370 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	350 mm
2XXX & 21XX	Motherboard to ODE	FFC LVDS Cable, 24 Positions, Opposite side contact	150 mm
	Drive to ODE	FFC LVDS Cable, 24 Positions, Same side contact	350 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	370 mm

SATA models with (**QSB solder**): Cables required

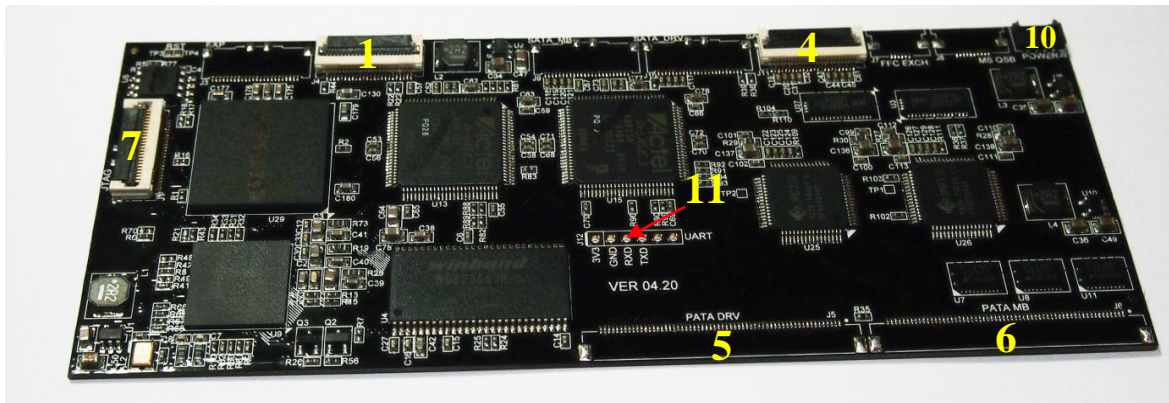
Model	Function	Cobra ODE PCB v3.xx, v4.xx, v5.xx	Length
25XX. 3XXX, 4XXX	QSB to ODE	FFC LVDS Cable, 24 Positions, Opposite side contact	370 mm
	ODE to Clip on Board	FFC LVDS Cable, 24 Positions, Same side contact	300 mm

Cobra ODE models and connectors:

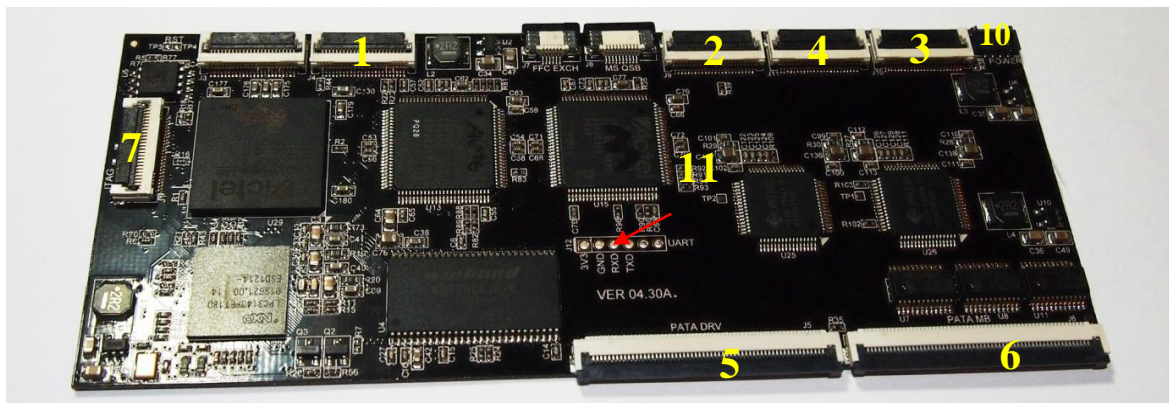
1	ODE To Clip on Board	7	JTAG
2	SATA To Motherboard	8	ODE to 4k FP
3	SATA To Drive	9	ODE to 4k MB
4	SATA To QSB	10	Power
5	PATA To Drive	11	RX Solder point
6	PATA To Motherboard		



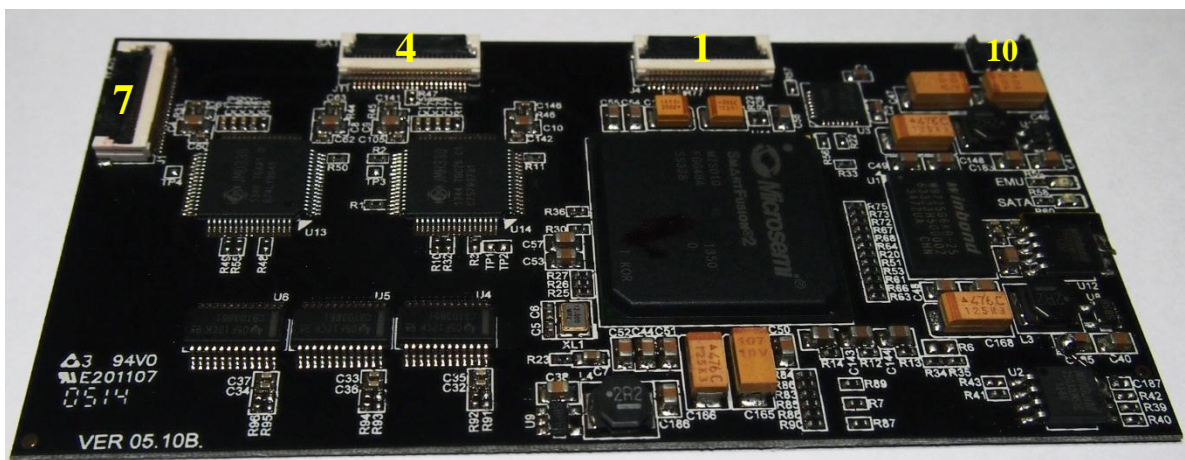
v4.20-QSV



v4.30A



v5.10B-QSV



v5.30A

