



LMH6518 Evaluation Board Interconnect Ribbon: Rev 1.3
Cable assembly no. 601600272-100A 10/8/2008

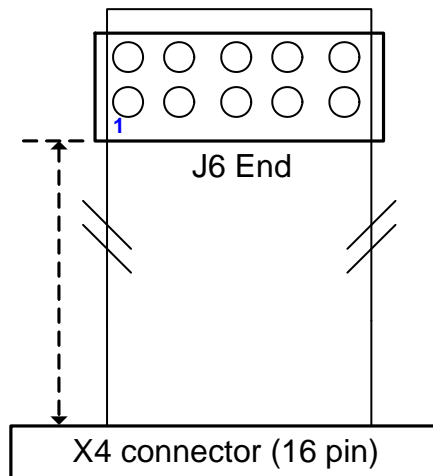
Pin Definition:

Name	Function	LMH6518 evaluation bd. pin (J6)	USB Interface Board (X4)
Ground	Ground	1	"GND", pin 2
CS_bar	Chip Select	3	A7, pin 1
DO	Data out (LMH6518 pin SDIO)	4	A0, pin 15
SCLK	Clock	5	A6, pin 3
DI	Data In (LMH6518 pin SDIO)	7	L7, pin 6

BOM:

- 5 out of 10 ribbon cable conductors used, per table above. The rest are left open at X4 (near USB interface board) end.
- Here is the top view of the ribbon cable and both ends:

Interconnect Top View
Note ribbon cable orientation
relative to J6 pin 1

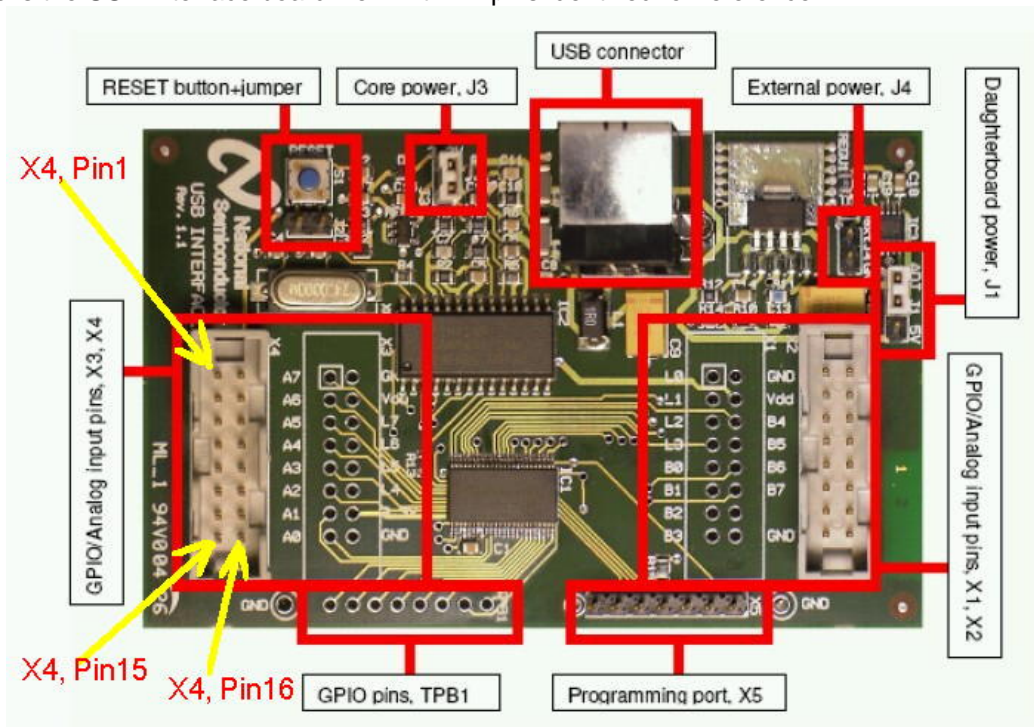


1. 10 pin ribbon cable (1' length)
2. Connector Female (5x2, 0.1"cc): Digikey part number: CSR10G-ND (no-polarized, w/strain relief) used to connect to J6 on the LMH6518 evaluation board.
3. After connecting ribbon cable to connector and folding under strain relief, cut protruding, unconnected wires.
4. Female 16 pin (2 row) used to connect to X4 on USB interface board. DigiKey P/N: HKR16H-ND (polarized, w/strain relief)

Mfg	Part No	Digikey Part No	Description	Qty	Ref Des	Comment
		CSR10G-ND	Connector Female, 5x2, 0.100" non-polarized, w/strain relief	1	J6	Connect to LMH6518 board
		HKR16H-ND	Female 8x2. 0.100, polarized, w/strain relief	1	X4	Connect to USB board
			Ribbon Cable, 28 ga, 10 strand, 1' length	1		

Table 1: Interconnect Cable Bill of Materials

Here is the USB Interface board view with X4 pins identified for reference:



Filename: LMH6518_Evaluation_Board_Interconnect
Directory: C:\Documents and Settings\cdprsc\My Documents\web\amps\boards
Template: Normal.dot
Title: LMH6518 Evaluation Board Interconnect Ribbon:
Subject:
Author: National Semiconductor
Keywords:
Comments:
Creation Date: 10/8/2008 3:02:00 PM
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