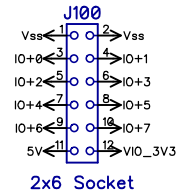
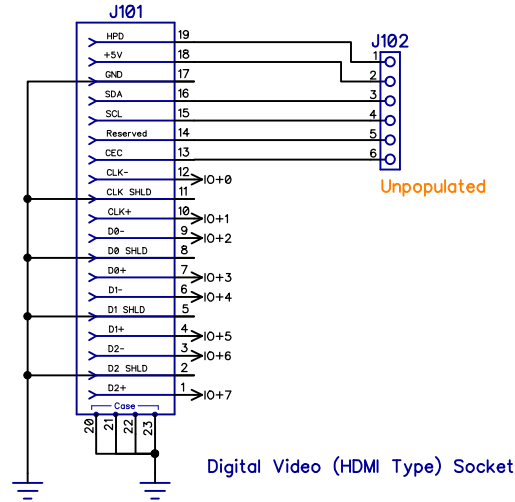


# Digital Video Output (DVO)

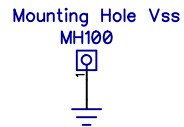
## Edge expansion socket



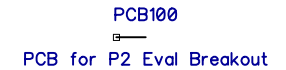
## Digital Video Socket



## Mounting holes



## BOM only - mfg



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## Parallax P2X8C4M64P-ES Accessory Set

ENGINEERING SAMPLE  
PRE-PRODUCTION EVALUATION

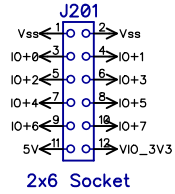
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Revision: A

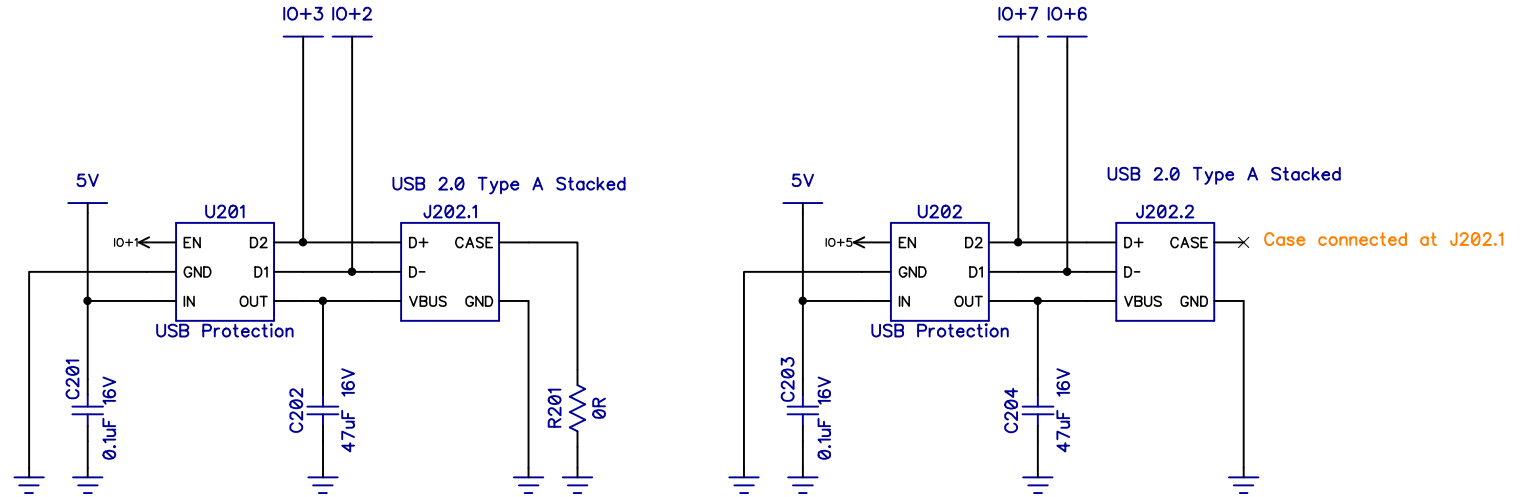
Last Update: 18 Dec 2018 (MM)

# Serial Host (Master)

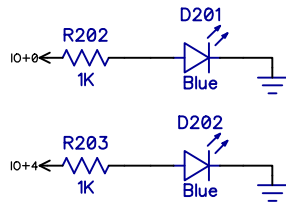
## Edge expansion socket



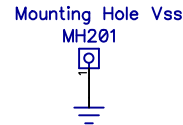
## Serial Host (master) - dual USB type socket



## Activity LEDs



## Mounting holes



Recommend : Set VIO jumper to LDO on P2-EVAL when adjusting the Common Switcher VIO to a lower voltage!

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## Parallax P2X8C4M64P-ES Accessory Set

ENGINEERING SAMPLE  
PRE-PRODUCTION EVALUATION

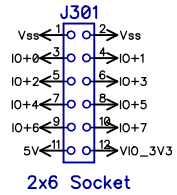
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Part Number: 64006-ES  
Revision: A

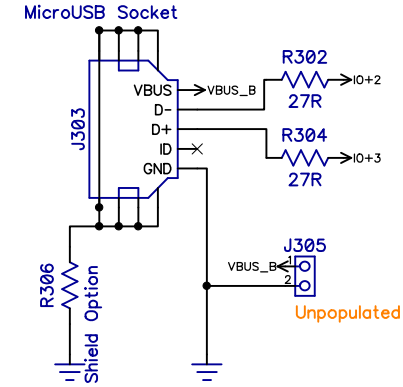
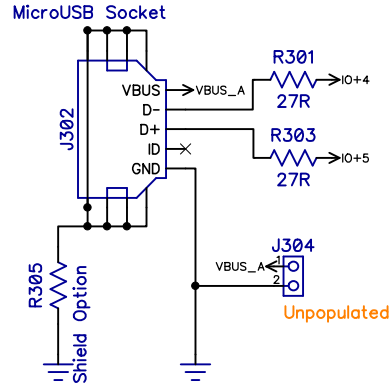
Last Update: 18 Dec 2018 (MM)

# Serial Device (Slave)

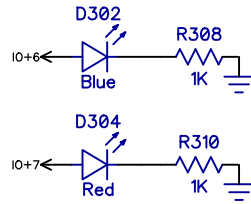
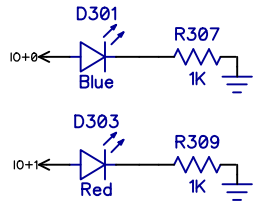
## Edge expansion socket



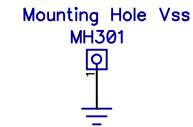
## Serial Device (slave) sockets



## Activity LEDs



## Mounting holes



Recommend : Set VIO jumper to LDO on P2-EVAL when adjusting the Common Switcher VIO to a lower voltage!

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## Parallax P2X8C4M64P-ES Accessory Set

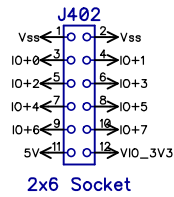
ENGINEERING SAMPLE  
 PRE-PRODUCTION EVALUATION

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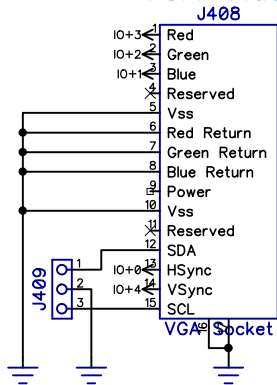
Part Number: 64006-ES  
 Revision: A

Last Update: 18 Dec 2018 (MM)

Edge expansion socket

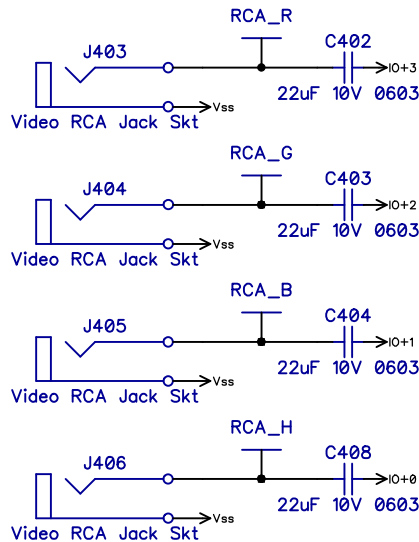


VGA Video

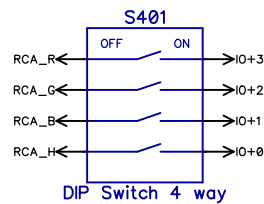


3-pin hdr Unpopulated

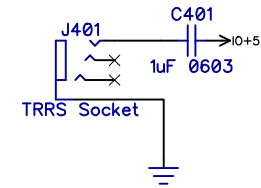
RCA Component Video / Audio



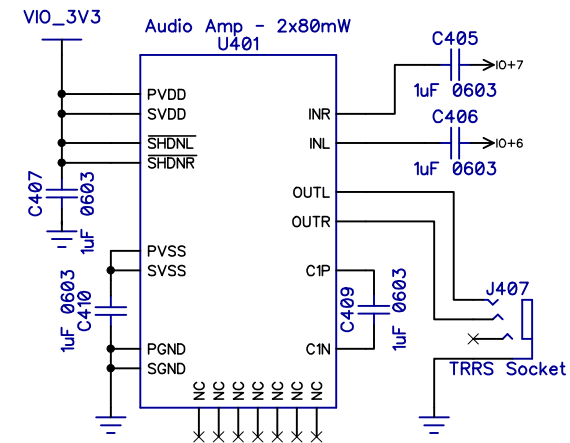
Component Video / Audio Selection



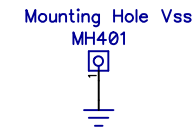
Microphone Socket (Mono 1/8")



Headphone Socket (Stereo 1/8")



Mounting holes



Recommend : Always Set VIO jumper to LDO on P2-EVAL when working with Audio!

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Parallax P2X8C4M64P-ES Accessory Set

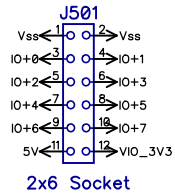
ENGINEERING SAMPLE  
PRE-PRODUCTION EVALUATION

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Part Number: 64006-ES  
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Last Update: 18 Dec 2018 (MM)

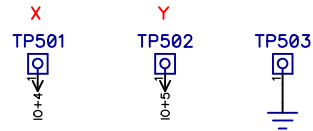
Edge expansion socket



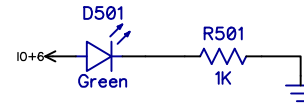
Goertzel Nodes



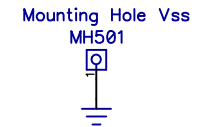
Scope Turrets



Activity LED



Mounting holes



Recommend : Set VIO jumper to LDO on P2-EVAL when adjusting the Common Switcher VIO to a lower voltage!

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Parallax P2X8C4M64P-ES Accessory Set

ENGINEERING SAMPLE  
 PRE-PRODUCTION EVALUATION

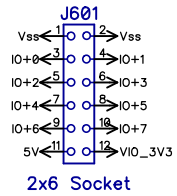
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Part Number: 64006-ES  
 Revision: A

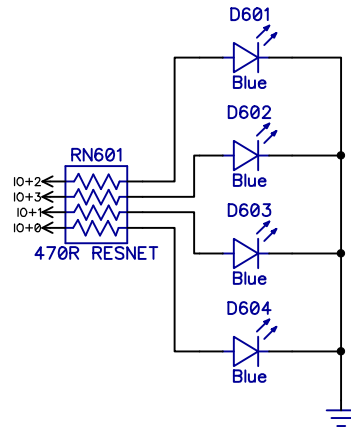
Last Update: 18 Dec 2018 (MM)

# Control

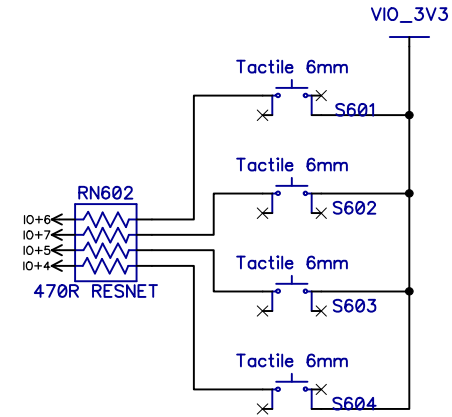
## Edge expansion socket



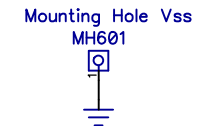
## LEDs



## Pushbutton switches



## Mounting hole



Recommend : Set VIO jumper to LDO on P2-EVAL when adjusting the Common Switcher VIO to a lower voltage!

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ENGINEERING SAMPLE  
 PRE-PRODUCTION EVALUATION

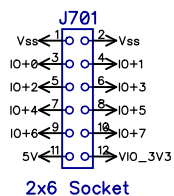
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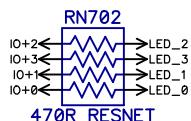
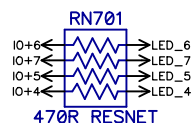
Last Update: 18 Dec 2018 (MM)

# LED Matrix

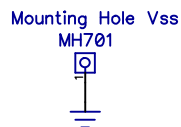
## Edge expansion socket



## LED Resistors



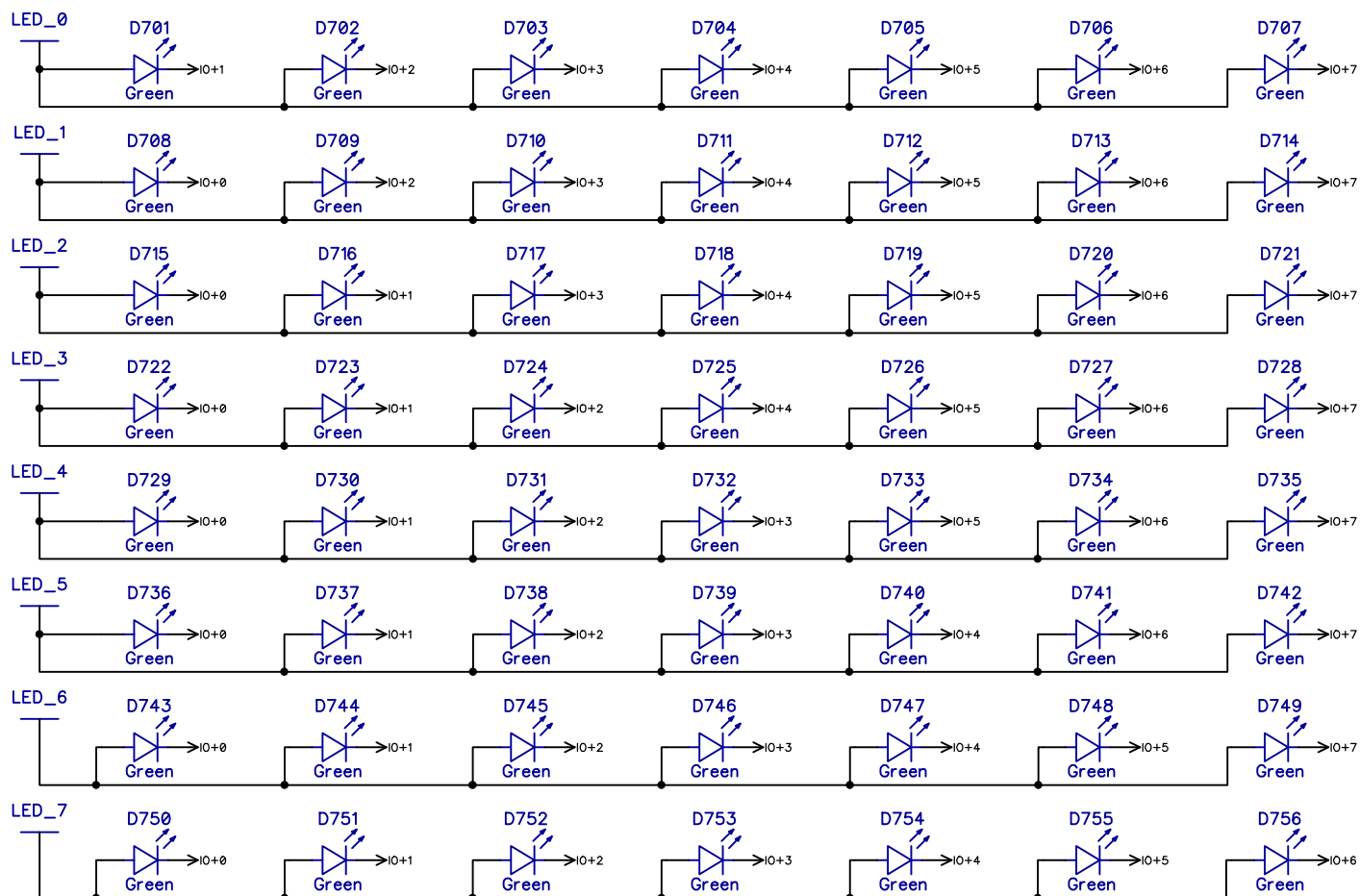
## Mounting hole



## LEDs

Charlieplex: 8 IO's = 56 LED's (8 x 8-1)

Green LED's chosen, as lowest Luminosity by large margin (eye protection!)



Recommend : Set VIO jumper to LDO on P2-EVAL when adjusting the Common Switcher VIO to a lower voltage!

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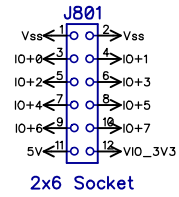
ENGINEERING SAMPLE  
 PRE-PRODUCTION EVALUATION

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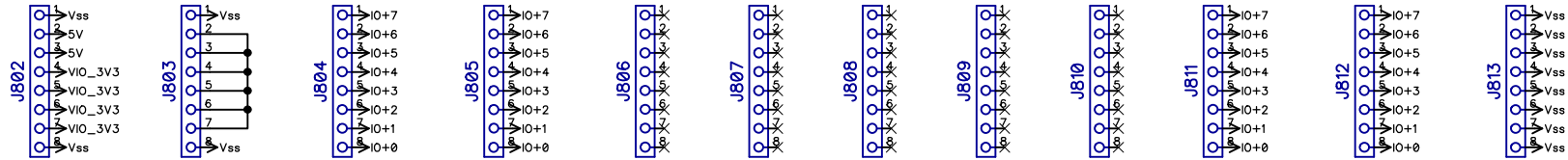
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Edge expansion socket



Edge expansion socket



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