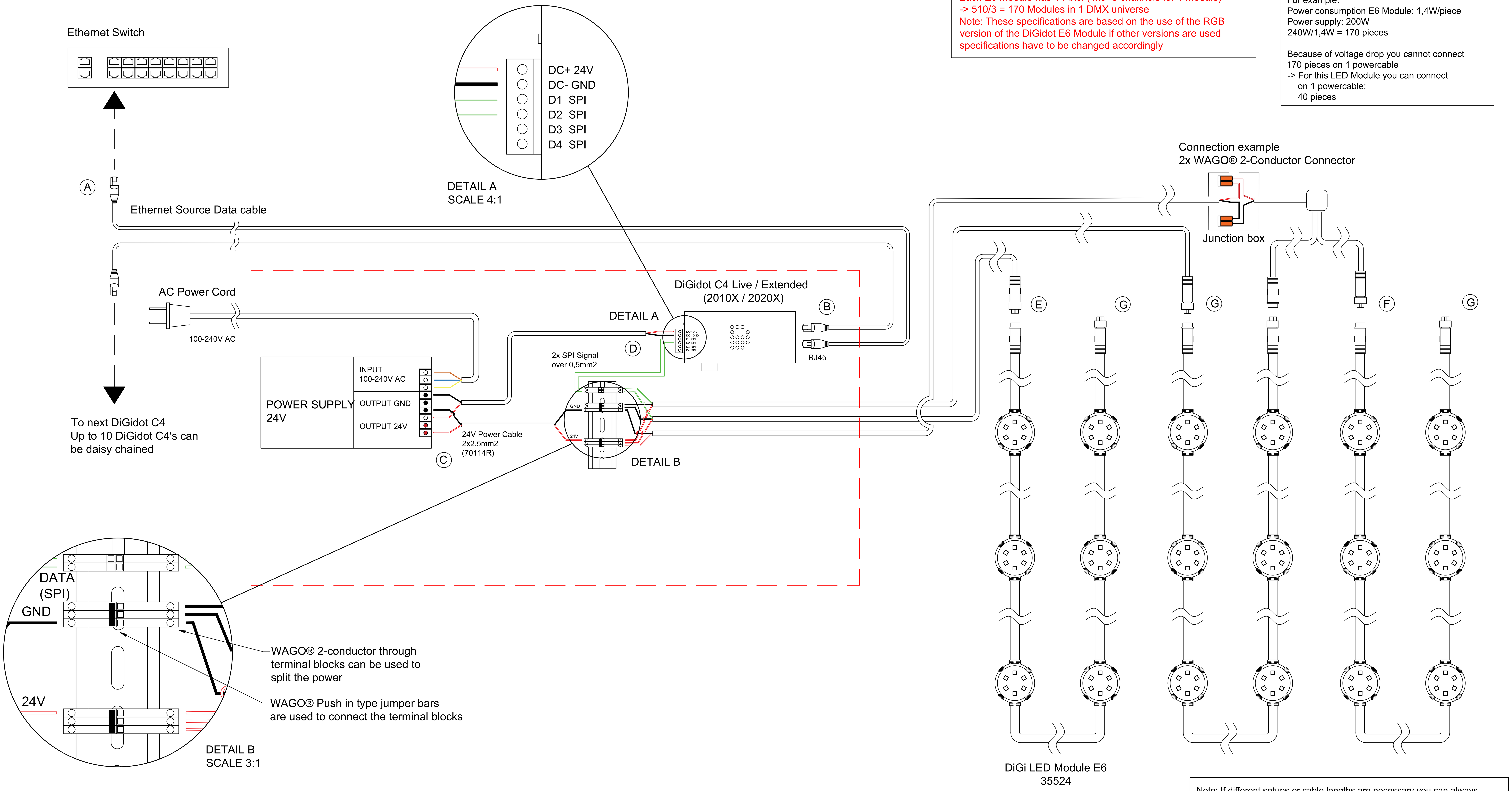
Up to 170 pieces can be daisy-chained
After 40 pieces a new power line is necessary
A new powerline can be made by using an Y-split as shown here
Each E6 Module has 1 Pixel (1x3=3 channels for 1 Module)
-> 510/3 = 170 Modules in 1 DMX universe
Note: These specifications are based on the use of the RGB version of the DiGidot E6 Module if other versions are used specifications have to be changed accordingly

Length of LED you can connect to 1 power supply:
Power consumption LED module divided by the total power of the power supply

For example:
Power consumption E6 Module: 1,4W/piece
Power supply: 200W
240W/1,4W = 170 pieces

Because of voltage drop you cannot connect 170 pieces on 1 powercable
-> For this LED Module you can connect on 1 powercable:
40 pieces



Note: If different setups or cable lengths are necessary you can always contact InventDesign and get advice for your particular setup

Disclaimer: No rights can be derived from the information provided on this sheet

Products can only be installed by professional installers

Cable Coding

Color	Function
Brown	L
Blue	N
Yellow	PE
Red	V+
White	V-
Green	DATA (SPI)

Recommended cable lengths and modules

Maximum length from A to B	100 meters	Cat 6 STP
Maximum length from C to D	0.5 meters	24V Power Cable 2x1MM2 (70103R)
Maximum length from D to E*	5 meters	3x0,75mm2
Maximum length from C to F	5 meters	24V Power Cable 2x1MM2 (70103R)
Maximum length from E to G	170 Modules	DiGidot E6

* Length can be extended by the use of the DiGidot TX-RX kit (see www.digidot.eu for more information)

Maximum RGB pixels on 1 DiGidot C4

C4	Pixels	Article Nr.
Extended 1	170	20201
Extended 2	340	20202
Extended 4	680	20203
Extended 8	1360	20204
Live 4	680	20101
Live 8	1360	20102
Live 12	2040	20103

A3		NAME	DATE
	DRAWN		4-6-2018
	CHK'D		
	REV	1.0	4-6-2018
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS	BASIC SETUP		

InventDesign

TITLE: WIRING DIAGRAM

PRODUCT: DiGidot E6 Module

SCALE: NOT TO SCALE SHEET 1 OF 1