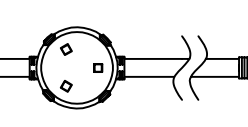
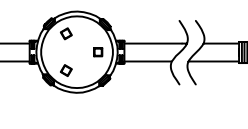
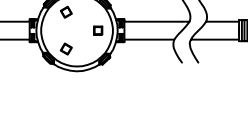
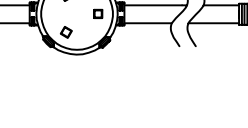
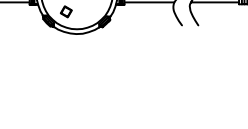
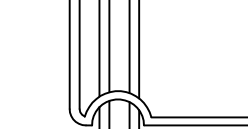
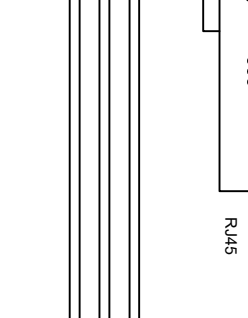
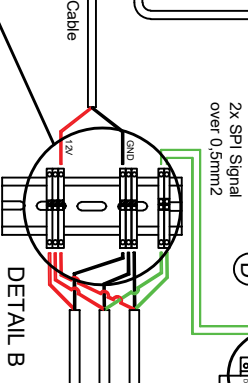
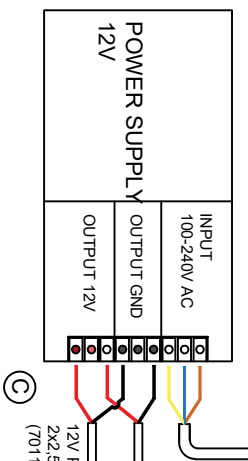
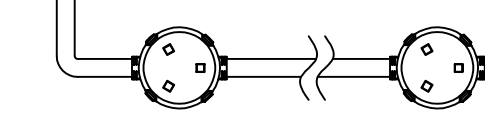
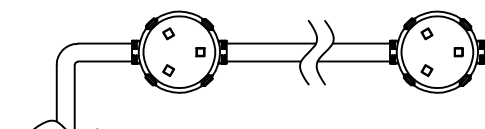
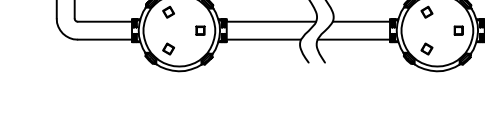
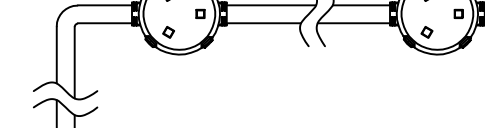
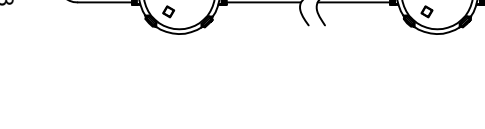
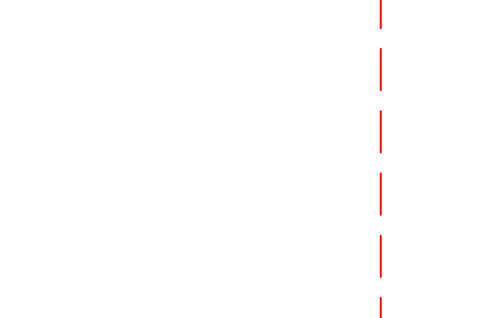
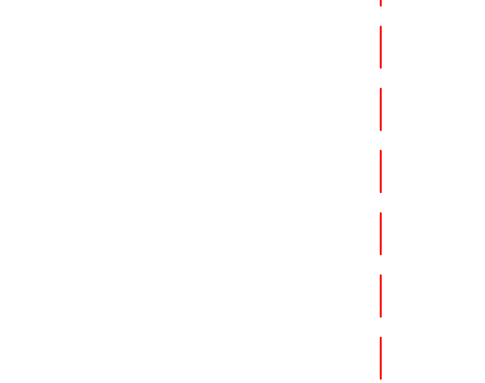
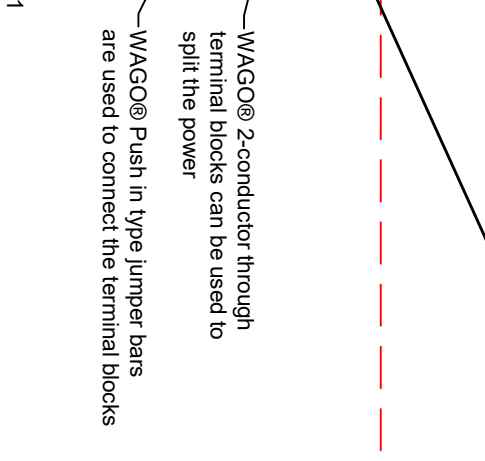
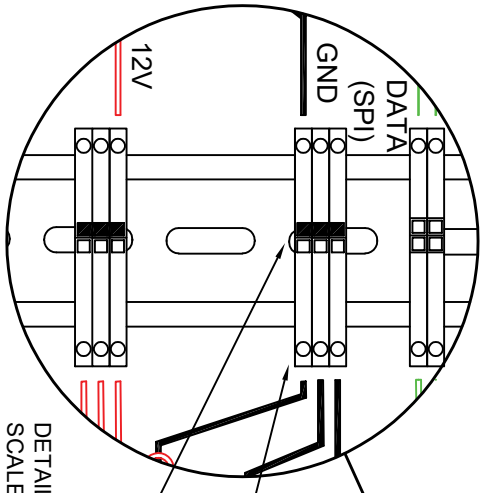


To next DiGidot C4
Up to 10 DiGidot C4's can
be daisy chained



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 E3 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 E3 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 E3 Module: 0.72W/piece
Power supply: 100W
100W/0.72W = 138pieces
Because of voltage drop you cannot connect
138 pieces on 1 powercable
-> For this LED Module you can connect
on 1 powercable:
40 pieces



Cable Coding

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

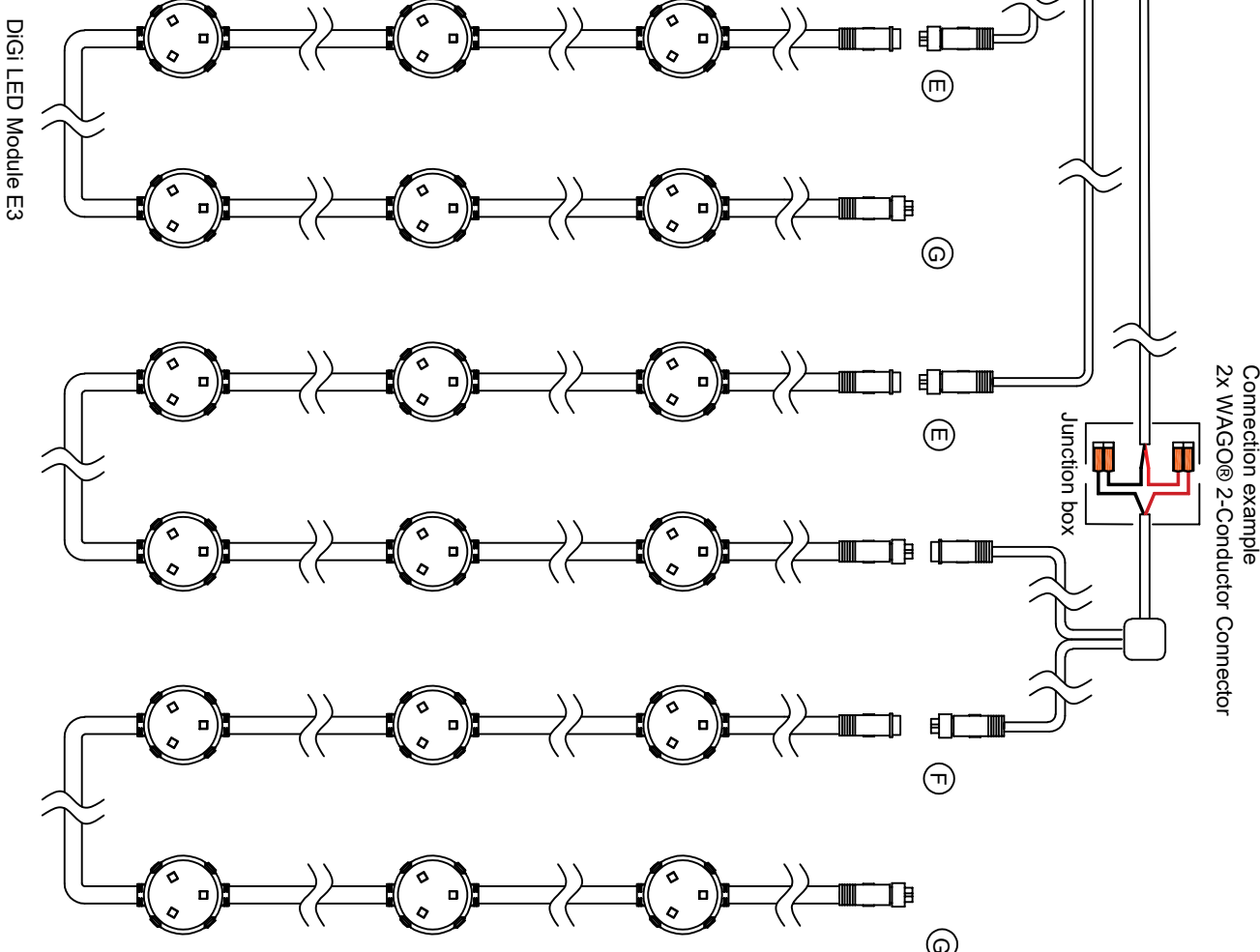
Recommended cable lengths and modules

	100 meters	Cat 6 STP
Maximum length from A to B	0.5 meters	12V Power Cable 2x1MM2 (70103R)
Maximum length from C to D	5 meters	3x0.75mm2
Maximum length from D to E*	5 meters	12V Power Cable 2x1MM2 (70103R)
Maximum length from E to G	170 Modules	Digidot E3

* 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



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

A3	NAME	DATE	InventDesign
	DRAWN	30-10-2018	
	CHKD		
REV	1.0	30-10-2018	TITLE: WIRING DIAGRAM
BASIC SETUP			PRODUCT: DiGidot E3 Module
SCALE: NOT TO SCALE			SHEET 1 OF 1