## 11 Links 30mm Cable Chain [EL-MS0380] 17 Links 20mm Cable Chain [EL-MS0379] 30mm Inner Width Mounting Brackets (male and female) – [EL-MS0383] 20mm Inner Width Mounting Brackets (male and female) – [EL-MS0382] \* use shown orientation \* use show orientation Female end Male end Female end Male end 70mm Heat Shrink Tubing [EL-MS0259] Ferrite [EL-MS0343] 50mm Long Strip Shield Heat Shrink Tubing 1x [EL-MS0141] Strip 8mm Term Ring Non Ins 26-22AWG #4 \_140mm [EL-MS0247] -20-Pin 19 Strip Insulator 150 mm Igus 4-wire Shielded Chainflex Cable - [EL-WR0140] 1x [EL-MS0062] -20-Pin 20 Shielding Female 4pin Housing 20-Pin 17 Length = 1150mm Pin 4 20-Pin 18 Strip 4mm 20-Pin 13 **20-Pin 14** Igus 6-wire Chainflex Cable – [EL-WR0138] Strip 150 mm -20-Pin 12 13x [EL-MS0059] Female Molex Pin 3x [PC-CN0001] 15x [EL-MS0059] Female 2pin Housing -20-Pin 11 Length = 1150mm Female Molex Pin **►20-Pin 3** 1x [EL-MS0074] E-therm 20-Pin 4 Molex-CONN HOUSING 20POS .100 DUAL, BLACK Strip 4mm ▶ Pin 1 -20-Pin 1 1x [PC-CN0003] X-max -20-Pin 2 Female 3pin Housing Strip 150 mm Igus 6-wire Chainflex Cable – [EL-WR0138] 6 5 8 7 10 9 12 11 14 13 16 15 -20-Pin 6 Length = 1150mm . 20-Pin 15 1x [PC-CN0032] Strip 7.3mm Term Block Plug 2POS ------**-**-20-Pin 16 2x [EL-MS0362] 24 AWG Heat Shrink Tubing 6.0mm Single Wire Insulated [EL-MS0247] 70mm Long 1x [EL-MS0141] Strip 8mm Term Ring Non Ins 26-22AWG #4 Heat Shrink Tubing 1x [EL-MS0355] Strip Shield 140mm Female 6pin Housing [EL-MS0247] ▶ Pin 1 Strip 4mm Igus 4-wire Shielded Chainflex Cable – [EL-WR0140] Strip Insulator 150 mm 1x [EL-MS0062] Shielding Female 4pin Housing 35mm | 1x [EL-l Term Ri 26-22A\ Strip 120mm Length = 720mm Pin 4 Pin 6 4x [EL-MS0351] Strip 6mm 1x [EL-MS0141] Female JST Pin Term Ring Non Ins Z-max 26-22AWG #4 8x [EL-MS0059] Female Molex Pin 2x [EL-MS0142] Pin 2-Conn Recept Faston 22-26AWG Igus 6-wire Chainflex Cable – [EL-WR0138] Strip 400 mm Cut Off 250mm 2x [PC-CN0003] Length = 970mm Female 3pin Housing 100mm (together) Heat Shrink Tubing 2x [EL-MS0142] Heat Shrink Tubing X-min

Rev	Date	Changes	Changed By
F	08/02/2016	-Lengthen X-min by 250mm -Shorten X-motor right-side shielding to 35mm	
G	08/09/2016	-Correct right-side EL-MS0059 Qty (15) -Include Z-max right-side heat shrink PN (EL-MS0259) -Include wire label PN (OF-MS0461) and Qty (9)	
Н	11/16/2016	-Add heatshrink to right-end of Z-max&X-min cable	
I	03/20/2017	Added 20mm heatshrink to x motor cable	TJU
J	08/28/2017	Removed one chain link from x-axis cable chain	MPR

9x [OF-MS0461]

Wire Labels

Cut Tolerance:  $\pm 3.175 \frac{\text{mm}}{0.3048} \frac{\pm 1.041}{66} \%$ 

Gladio	ola	ALEPH	A COMMENT		
DRAWN BY E N Kuzmenko	DATE 08/04/2016	OBJECT: INCORPORATE		OT.	
CHECKED BY	DATE	X Extruder Harness			
EL-HR	0108	FILE NAME x_extruder_harnesses_revl.odg	SHEET 1	REV.	

Conn Recept Faston 22-26AWG

[EL-MS0247] Cut Off 80mm

Strip 6mm

[EL-MS0259]