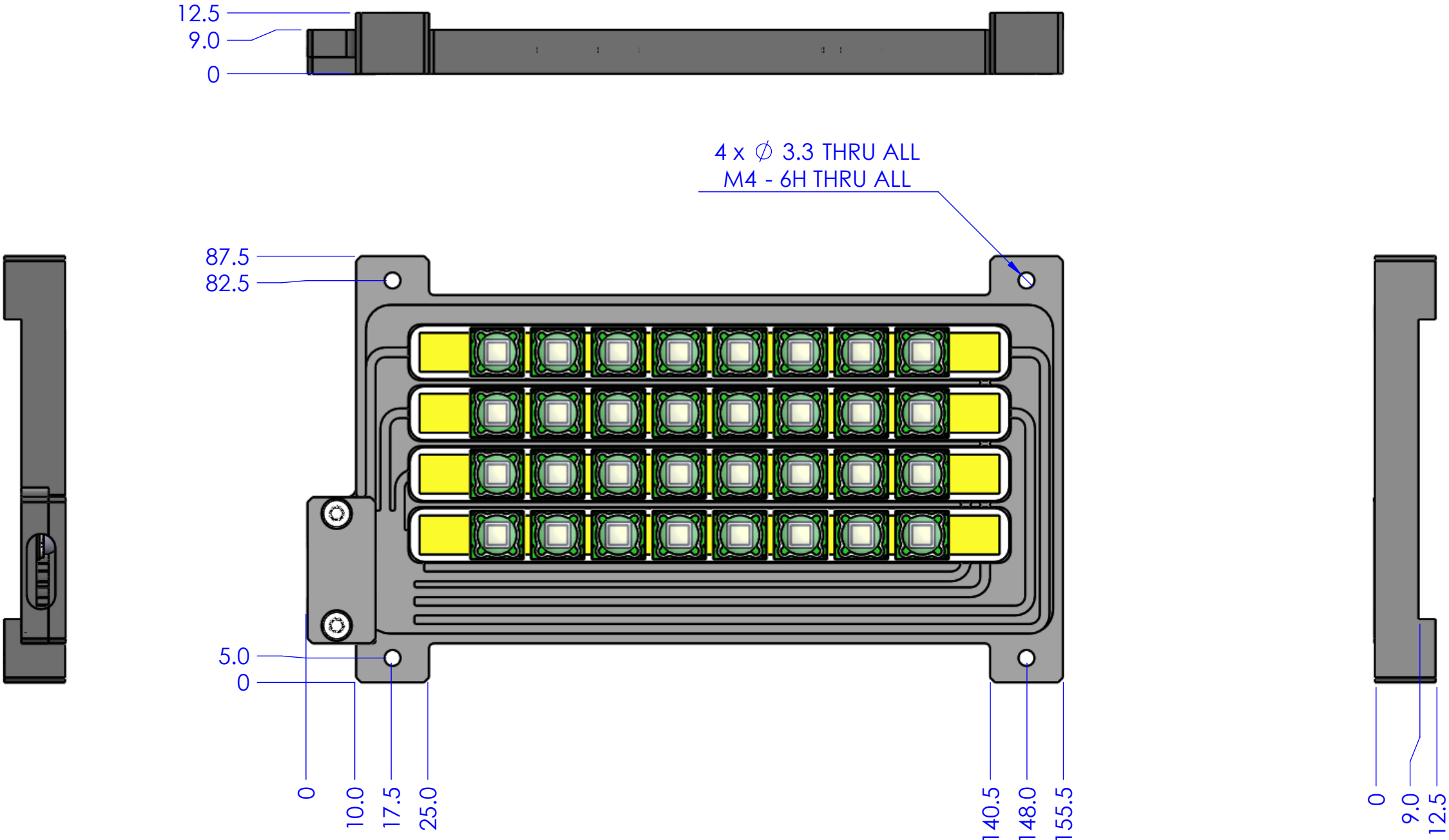
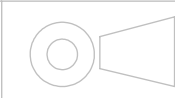


△ Denotes Changes for Specific Revision

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	Initial Release	09/06/2015	E Braithwaite



Material: 6082 T-6 Aluminium Alloy
Finish: Hard Anodised

Production Copy

REV	NAME	ECN	DATE	DO NOT SCALE DRAWING
1.0	mwals	N/A	09/06/15	DRAWN BY mwals
				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS SPECIFIED: LINEAR x.x ± 100µm x.xx ± 50µm ANGULAR: x.x ± 0.5° x.xx ± 0.1°

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TITLE: Aphos32 Wide Panel

DWG NO. CA10-0077

REVISION 1.0

SHEET 1 OF 7

 Denotes Changes for Specific Revision

Design Notes:

Illustration of 1st stage of panel assembly
LED Boards bonded into place

Standoff Bosses on mounts
allows for rear face of
metalwork to dissipate heat
to water

Integrated Clamp is used as a
means of clamping the PU sleeving
used on the Cable Assembly

LED Strips Bonded to Housing
Using Thermally Conductive Epoxy

Slots Machined Into Housing
To Act as a Guide for Cabling

4 M4 Mounting Holes

Clamp uses 2 no. M3 Countersunk Bolts

Material: 6082 T-6 Aluminium Alloy
Finish: Hard Anodised

Production Copy

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1.0	mwals	N/A	09/06/15	DRAWN BY mwals
				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS SPECIFIED: LINEAR x.x ± 100µm x.xx ± 50µm ANGULAR: x.x ± 0.5° x.xx ± 0.1°

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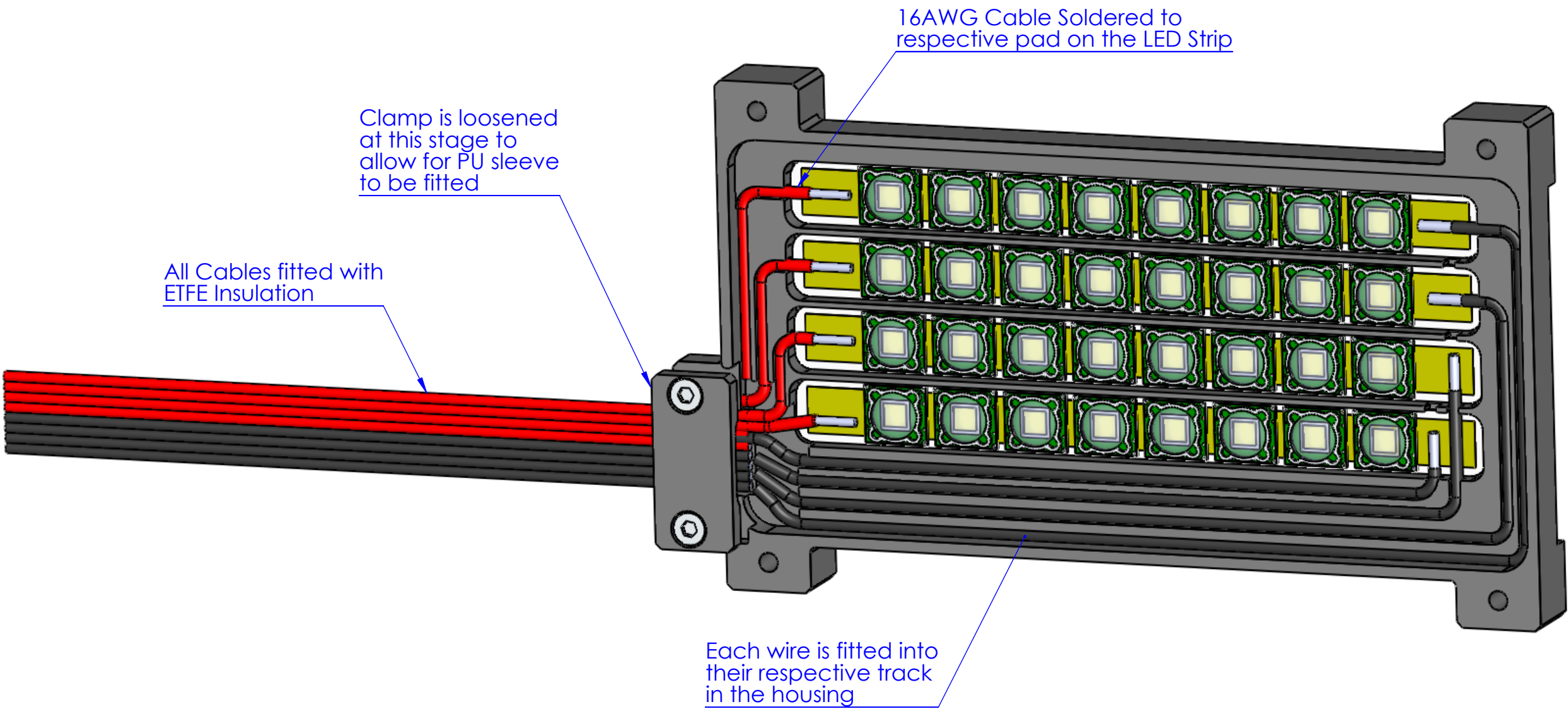
TITLE:	Aphos32 Wide Panel	
DWG NO.	CA10-0077	REVISION 1.0
SHEET 2 OF 7		

 Denotes Changes for Specific Revision

Design Notes:

Illustration of 2nd stage of panel assembly

Wiring of LED Panel



Material: 6082 T-6 Aluminium Alloy

Finish: Hard Anodised

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TITLE:
Aphos32 Wide Panel

DWG NO.
CA10-0077

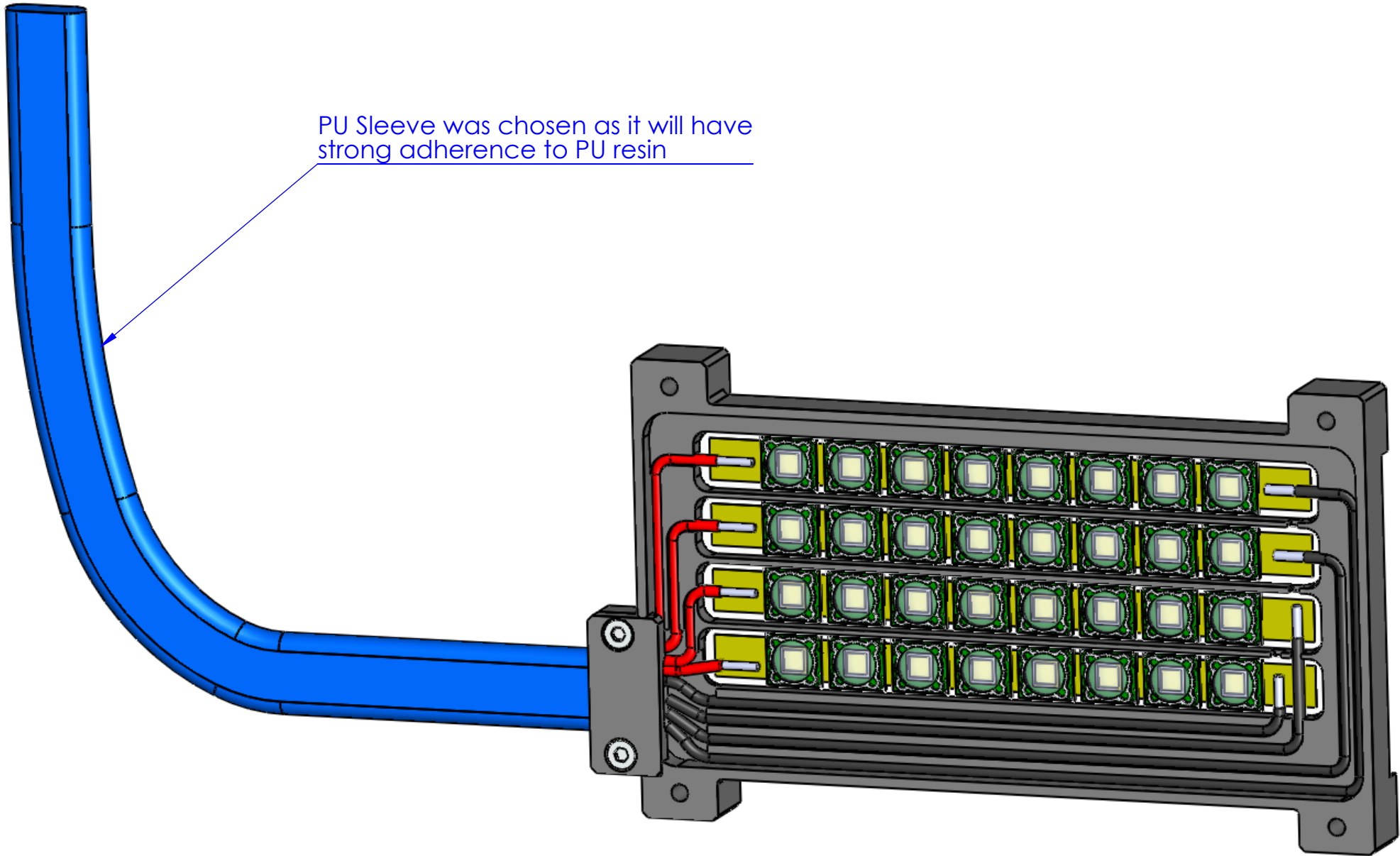
REVISION
1.0

SHEET 3 OF 7

 Denotes Changes for Specific Revision

Design Notes:

Illustration of 3rd stage of panel assembly
PU Sleeve is placed over the individual cores



Material: 6082 T-6 Aluminium Alloy
Finish: Hard Anodised

Production Copy

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				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS SPECIFIED: LINEAR x.x ± 100µm x.xx ± 50µm ANGULAR: x.x ± 0.5° x.xx ± 0.1°

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TITLE:
Aphos32 Wide Panel

DWG NO.
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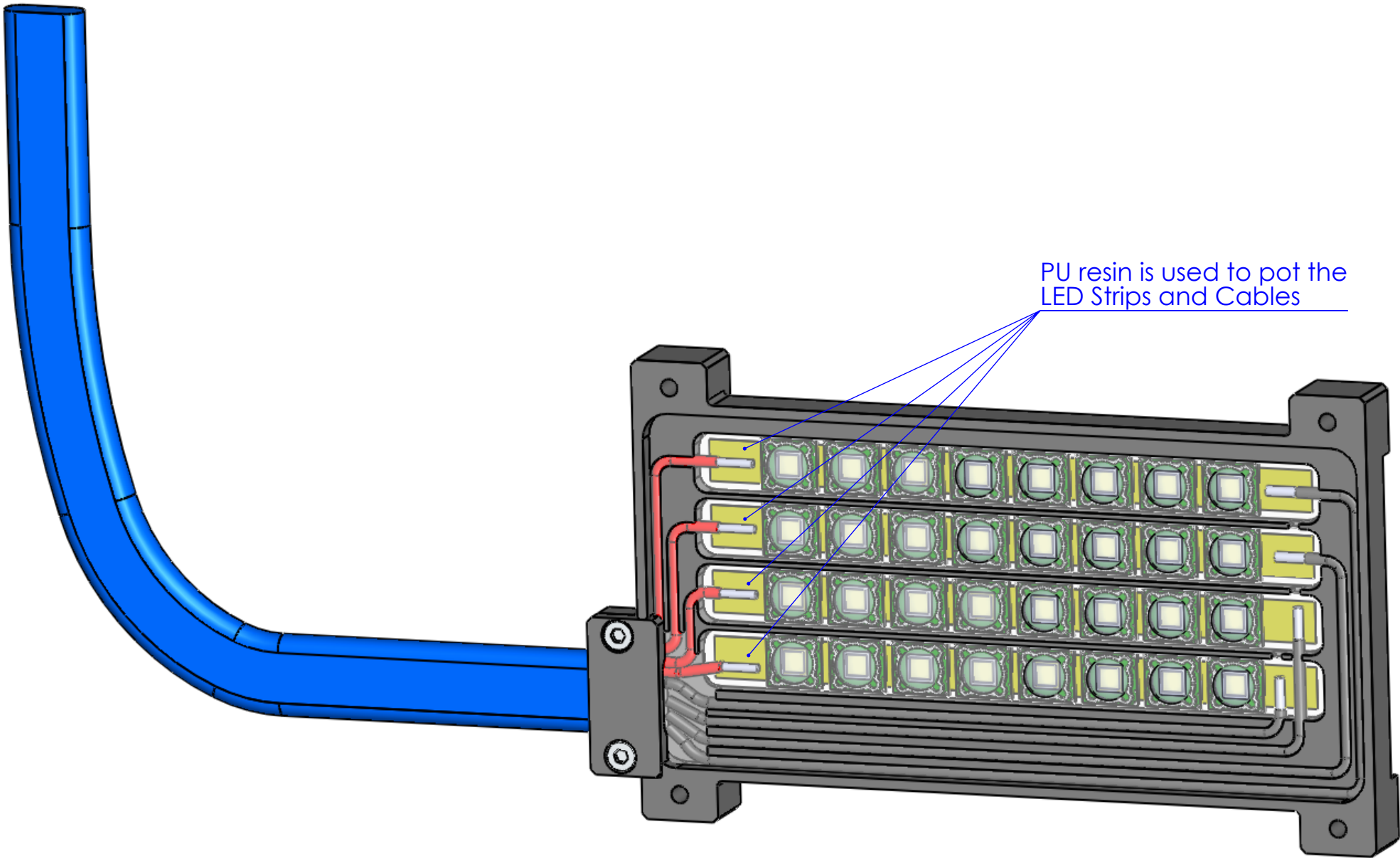
REVISION
1.0

SHEET 4 OF 7

 Denotes Changes for Specific Revision

Design Notes:

- Illustration of 4th stage of panel assembly
- Clear PU Resin is used to pot the LED Strips and Cables



PU resin is used to pot the LED Strips and Cables

Material: 6082 T-6 Aluminium Alloy
Finish: Hard Anodised

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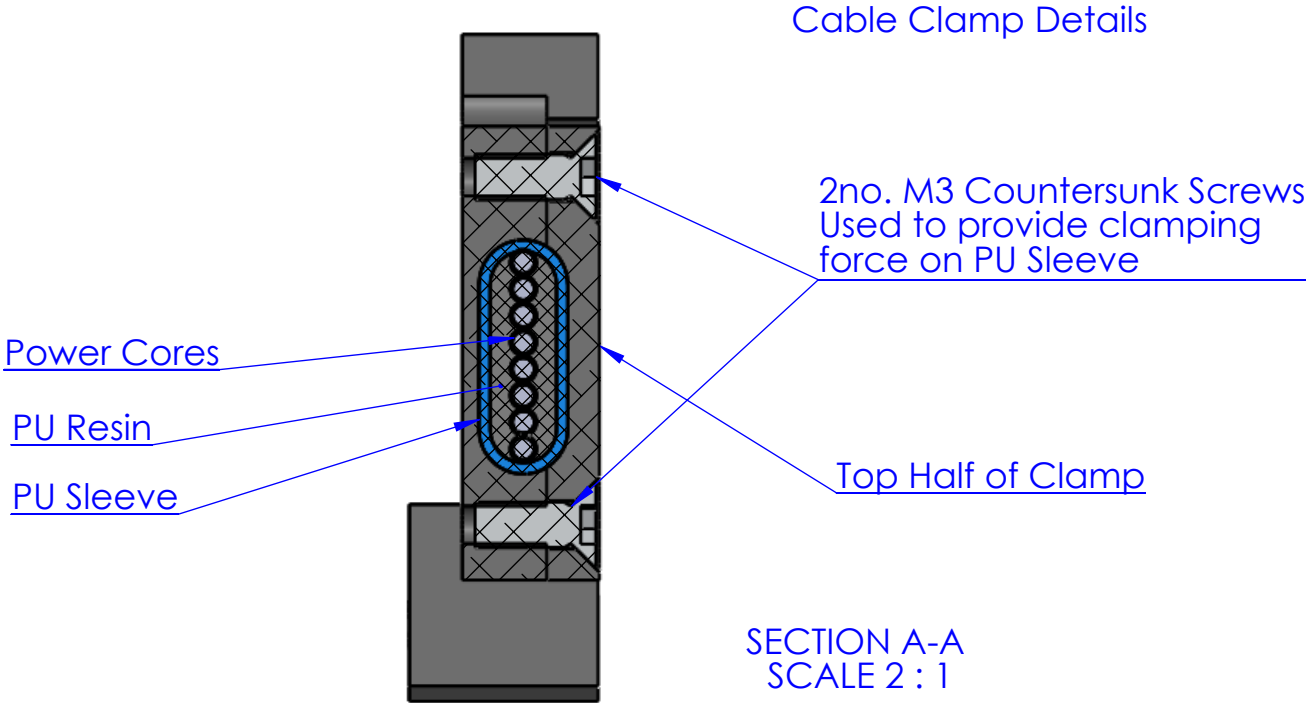
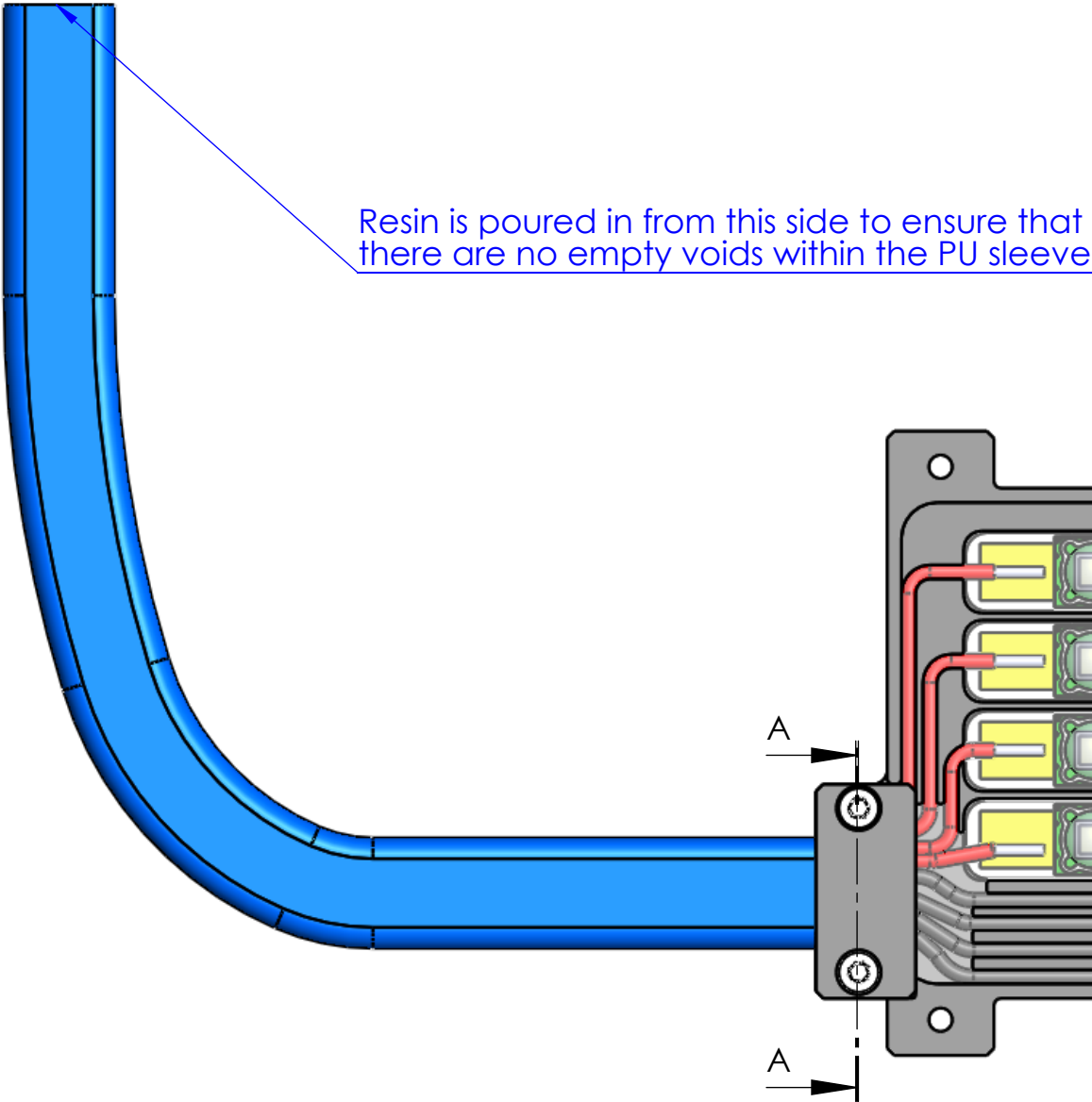
TITLE: Aphos32 Wide Panel	
DWG NO. CA10-0077	REVISION 1.0
SHEET 5 OF 7	

 Denotes Changes for Specific Revision

Design Notes:

Illustration of 5th stage of panel assembly

Flexible PU Resin is used to backfill the PU Sleeve
Purpose of this step is to remove any pockets of air from the cable assembly



Material: 6082 T-6 Aluminium Alloy
Finish: Hard Anodised

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SHEET 6 OF 7

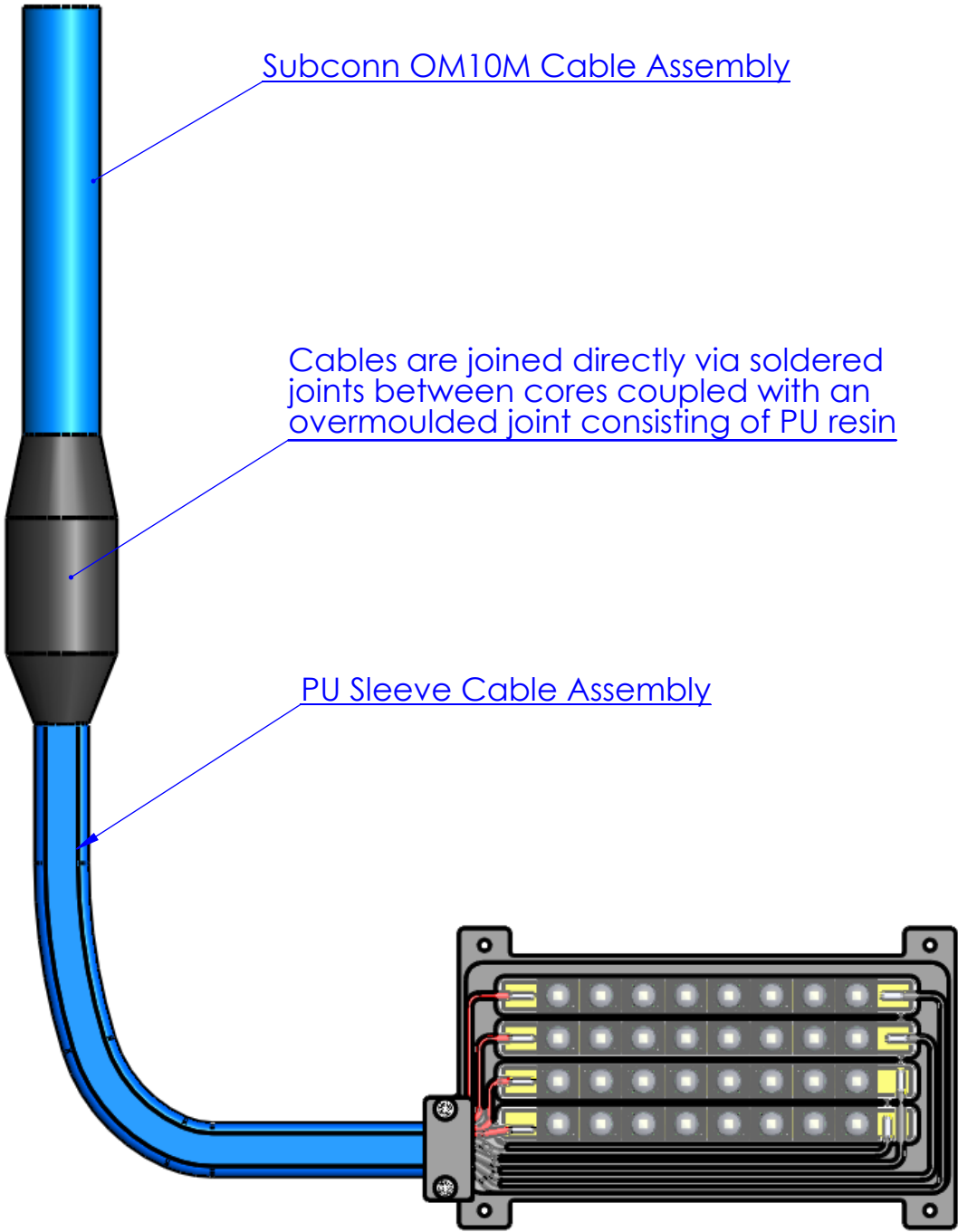
 Denotes Changes for Specific Revision

Cable Clamp Details

Design Notes:

Illustration of 6th and final stage of panel assembly

The PU Sleeve cable assembly is fitted to a pre-manufactured cable by adding in soldered connections between cores and an overmoulded joint between cables



Material: 6082 T-6 Aluminium Alloy
Finish: Hard Anodised

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SHEET 7 OF 7