

Bill of Materials (BOM)

Sl. No.	Description	Part No.	Qty	UOM	Remarks
1	9 Pin D-Sub crimped connector	1688858	1	No	
2	9 Pin D-Sub connector Solder Bucket type	1688803	1	No	
3	CUC-DST-GPME-S/DSSC9 - D-SUB sleeve housing	1419705	1	No	
4	Open barrel Terminals C-SCF 1/2,8X0,5 - Connector	3240152	2+1	Nos	1. One spare terminal given 2. Use CRIMPFOX-SC 1,5
5	Close barrel - C-RCI 1,5/M4 - Ring cable lug	3240018	2+1	Nos	1. One spare terminal given. 2. Use CRIMPFOX-RCI 2,5 - Crimping pliers
6	Machined Contacts, D-SUB crimp contact, series: HC-M-DSUB-C, Pin, turned, contact diameter: 1 mm	1418786	9+1	Nos	1. One spare terminal given. 2. Use CRIMPFOX-TC MP- Crimping pliers with display CRIMPFOX-TC MP/LOC - Spare locator
7	Shrink Sleeve 6,4mm diameter Black, 2:1 Shrink Ratio To be used for securing Nylon / Metal braid ends		150	mm	Length to be cut according to drawing
8	Shrink Sleeve 2,4mm diameter Clear 2:1 Shrink ratio. To be used on solder cups		110	mm	To be cut into 11 pieces of 10mm length
9	5mm diameter - Nylon Braided Cable Sleeveing PET		110	mm	
10	6,35 mm Dia Metal Braid tin copper		140	mm	
11	WT-HT HF 2,5X98 BK Cable tie - Black	3240781	10	Nos	Use UNIFOX-CT 4,8P - Cable tie tool
12A	KMK 4 - Plastic cable markers	1005305	1		Use THERMOMARK GO.K
12B	MM-EMT (EX17) R C1 WH/BK - Insert Label	0803967	1		Use THERMOMARK GO.K
13	Shrink Sleeve, 3,2 mm dia Transparent, 2:1 Shrink Ratio		30	mm	To be used on Splice Joint
14	20 AWG Wires, 9 colors		A/R		See Schematic/Wire cutting
15	Wire Lacing Rope, Black PET, 2.16mm		A/R		
16	EML (20X8)R/TL - Label	802999	A/R		For temporary marking
17	Flux cored SAC305 Lead-Free solder wire 0.7 mm Dia		A/R		
18	No Clean Flux		A/R		

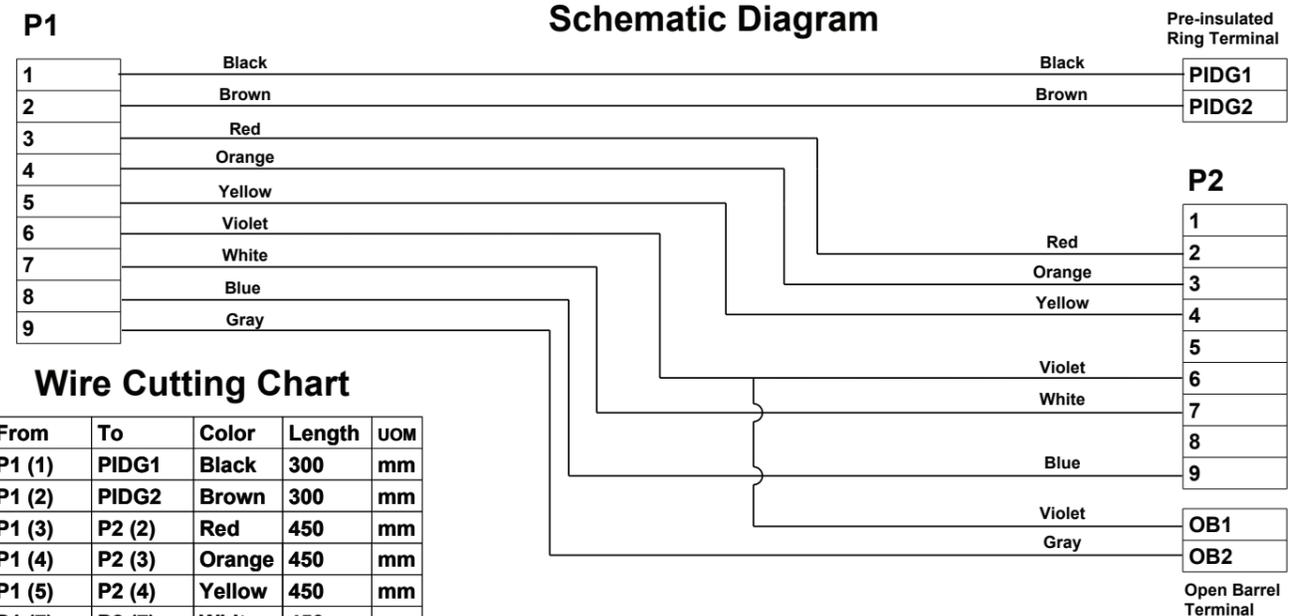
P1

1	Black
2	Brown
3	Red
4	Orange
5	Yellow
6	Violet
7	White
8	Blue
9	Gray

Wire Cutting Chart

From	To	Color	Length	UOM
P1 (1)	PIDG1	Black	300	mm
P1 (2)	PIDG2	Brown	300	mm
P1 (3)	P2 (2)	Red	450	mm
P1 (4)	P2 (3)	Orange	450	mm
P1 (5)	P2 (4)	Yellow	450	mm
P1 (7)	P2 (7)	White	450	mm
P1 (8)	P2 (9)	Blue	450	mm
P1 (6)	Splice	Violet	150	mm
Splice	P2 (6)	Violet	320	mm
Splice	OB 1	Violet	220	mm
P1 (9)	OB 2	Gray	345	mm

Schematic Diagram



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Note: All Dimensions are in mm

CWH Competition 2026 – Master Drawing

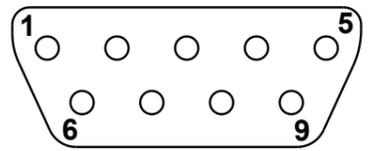
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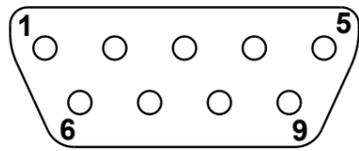
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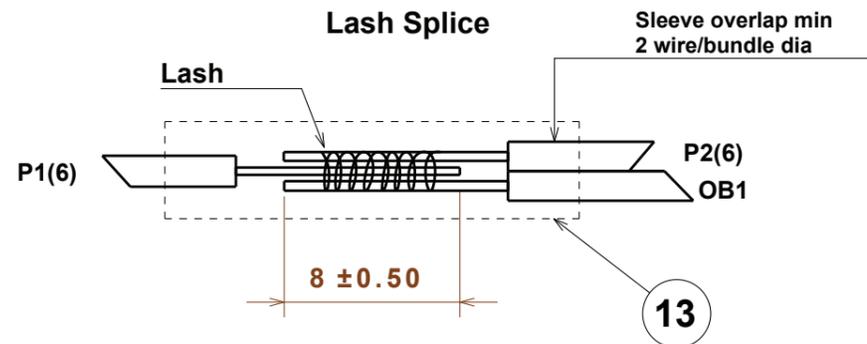
9-pin D-SUB Type Connectors – Pin Configuration



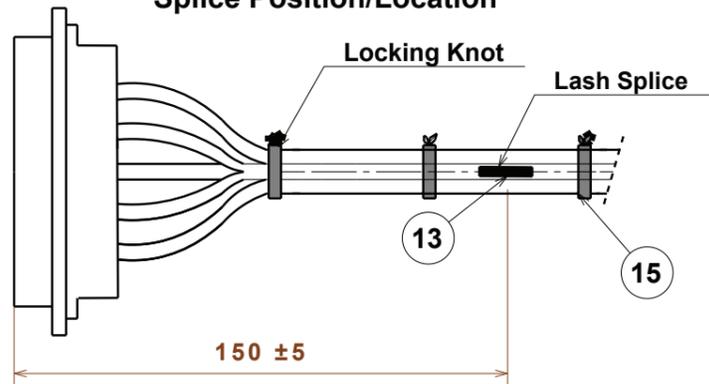
Crimp Terminal Insertion View
P. No 1688858



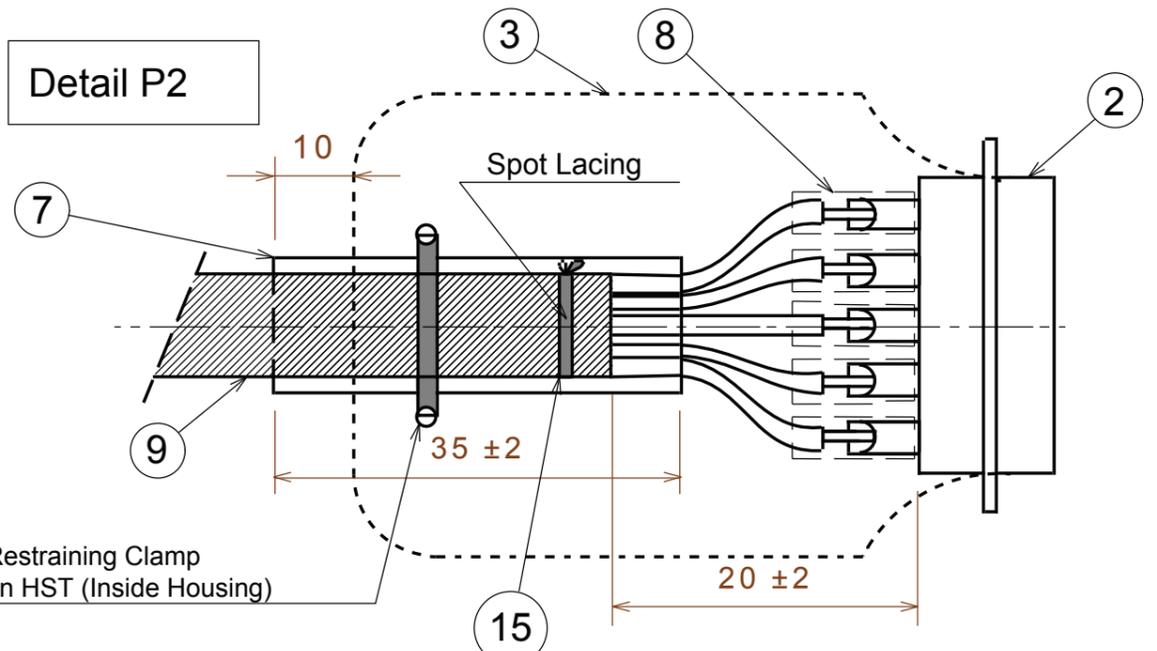
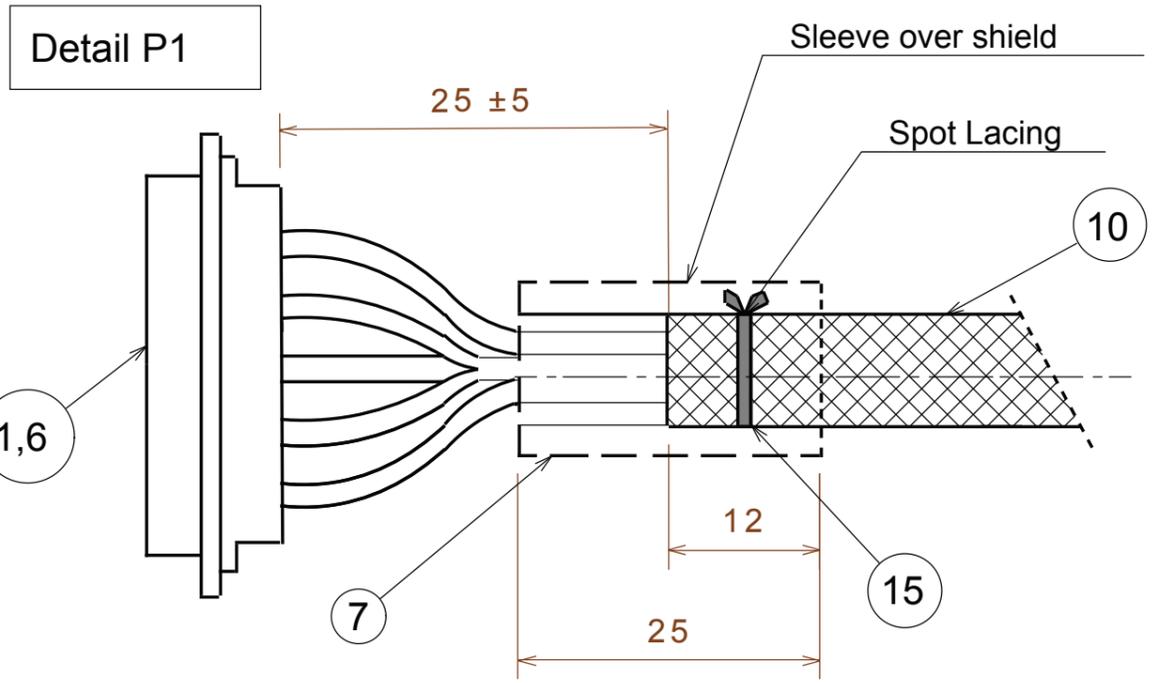
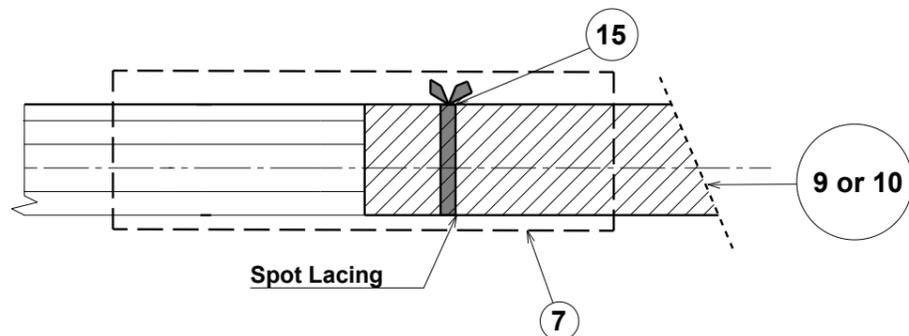
Soldering Side View
P. No 1688803



Splice Position/Location



Spot Lacing at Both Metal and Nylon Braid Ends to Restrain Them



Note: All Dimensions are in mm

WHMA Wire Harness Competition 2026 – Master Drawing

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GEA Europe

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