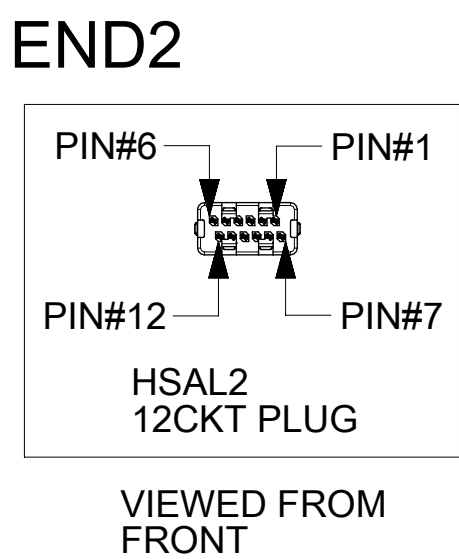
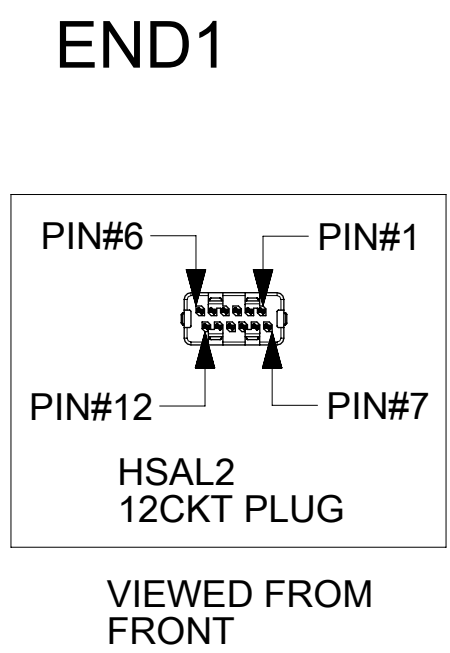
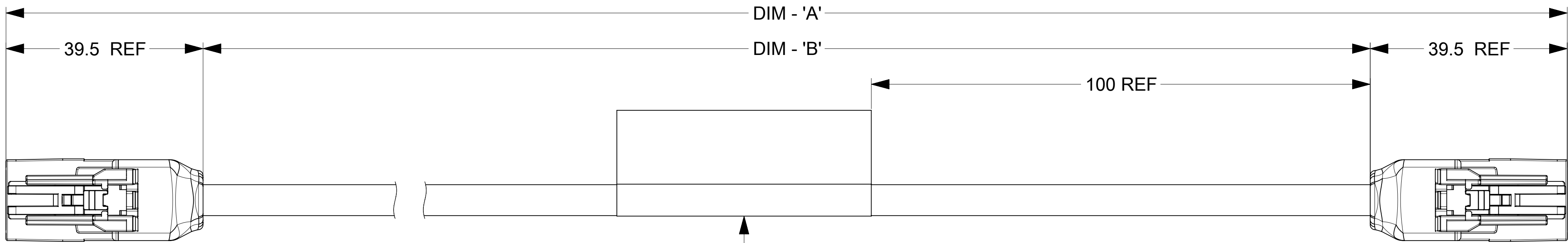




MOLEX MATERIAL NUMBER	MATERIAL NUMBER REVISION	CUSTOMER PART NUMBER	DIM - 'A' REF	DIM - 'B'	CABLE	END1 CONNECTOR PN	END2 CONNECTOR PN	DATA RATES FOR HBW CABLES	
2257722311	A2		579	500 ±10	USB 3.0	111146-3080	111146-3080	-	
2257722312	A2		1079	1000 ±10	USB 3.0	111146-3080	111146-3080	-	
2257722313	A2		1579	1500 ±15	USB 3.0	111146-3080	111146-3080	-	
2257722314	A2		2079	2000 ±15	USB 3.0	111146-3080	111146-3080	-	
2257726312	A1		1079	1000 ±10	LVDS 4-PAIR	111146-3030	111146-3030	-	
2257726313	A1		1579	1500 ±15	LVDS 4-PAIR	111146-3030	111146-3030	-	
2257726314	A1		2079	2000 ±15	LVDS 4-PAIR	111146-3030	111146-3030	-	
2257726318	A1		4079	4000 ±25	LVDS 4-PAIR	111146-3030	111146-3030	-	
2257725312	A2		1079	1000 ±10	HBW LVDS 2-PAIR	111146-7003	111146-7003	B	
2257725313	A2		1579	1500 ±15	HBW LVDS 2-PAIR	111146-7003	111146-7003	B	
2257725314	A2		2079	2000 ±15	HBW LVDS 2-PAIR	111146-7003	111146-7003	D	
2257725318	A2		4079	4000 ±25	HBW LVDS 2-PAIR	111146-7003	111146-7003	B	

NOTES:

- A2 1. PRODUCT SPECIFICATION: 2257721200.
2. PACKAGING SPECIFICATION: RPK-100182-0006.
3. PLEASE REFER TO ENGINEERING SPECIFICATION 2093051000 FOR DETAIL LABEL INFORMATION.
ATTENTION: FINAL GOODS LABEL WILL BE PRINTED WITH THE CUSTOMER PART NUMBER MENTIONED ON THE DRAWING.
IF THE CUSTOMER PART NUMBER FIELD IS EMPTY, TBD, NA OR NOTATES ANOTHER PLACEHOLDER INDICATING NO CUSTOMER PART NUMBER IS AVAILABLE THEN THERE WILL BE NO CUSTOMER PART NUMBER PRINTED ON THE LABEL.
LABEL COLOR DEFINITION:
WHITE : MEANS IT IS A PPAP/PRODUCTION PRODUCT.
BLUE : MEANS IT IS A NON-PPAP, PRE-PRODUCTION PART NOT INTENDED FOR SALE-ABLE VEHICLES.
4. VISIT www.molex.com FOR ENVIRONMENTAL COMPLIANCE INFORMATION.
5. CABLE BANDWIDTH LETTER AS DEFINED PER 2175470000 PS.

SEE NOTE 5

FUNCTIONAL SYMBOLS

FA

=

0

FC

=

0

FP

=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0°

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.13

1 PLACE

± 0.25

0 PLACES

±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 797536

DRWN: KMANISHTIWAR 2024/09/09

CHK'D: SUBHAP2 2024/09/09

APPR: ADITHS1 2024/09/09

INITIAL REVISION:

DRWN: SS94 2023/07/25

APPR: TSWAROOPNUNE 2024/03/06

THIRD ANGLE PROJECTION

DRAWING

SERIES

D-SIZE

225772

molex

HS2 CABLE ASSY 12CKT PLG TO 12CKT PLG STR POL-A TO STR POL-A

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

2257722311

DOC TYPE

PSD

DOC PART

000

REVISION

A2

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE CHART

1 OF 2

DOCUMENT STATUS

P1

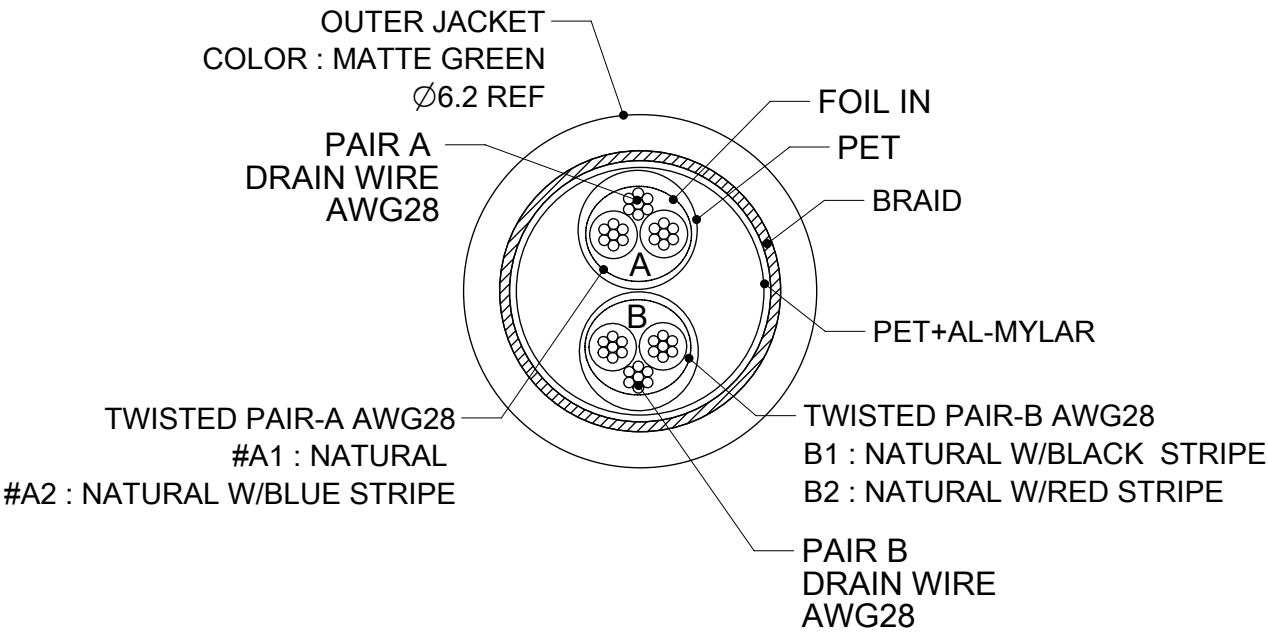
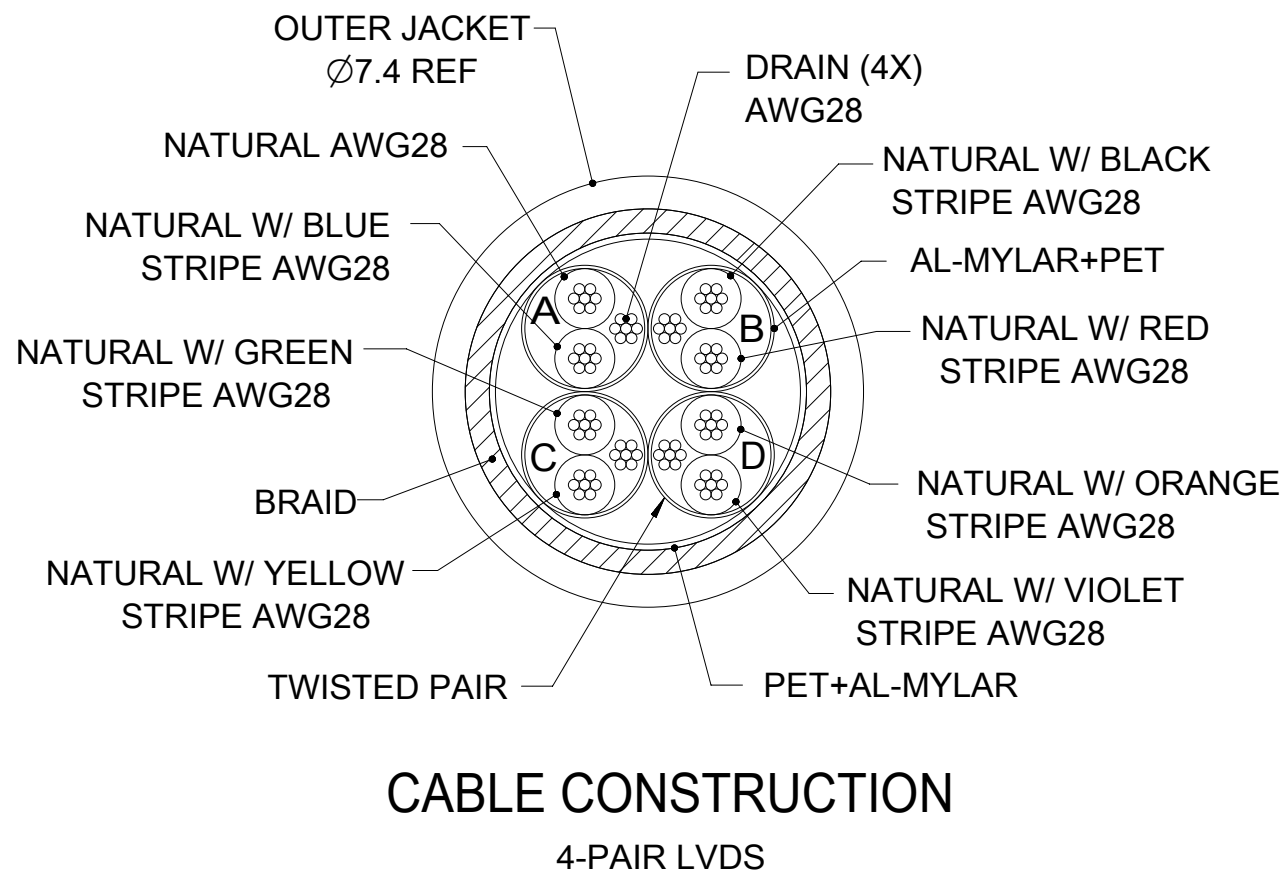
RELEASE DATE

2024/09/09 12:15:21

REVISIONS					
DATE	PSD DOCUMENT REVISION	DESCRIPTION			
2023/07/25	A	ORIGINAL RELEASE.			
2024/03/13	A1	1. ADDED DATA RATES FOR HBW CABLES. 2. ADDED NOTE 5. 3. UPDATED WIRING DIAGRAM FOR USB 3.0 CABLE.			
2024/09/09	A2	UPDATED PS SPEC PN TO 2257721200 WAS PS-34861-001.			

NOTES :

1. WIRING DIAGRAMS ARE STANDARD AS SHOWN AND CANNOT BE CUSTOMIZED.
2. LISTED CABLE ASSEMBLIES WILL MATE ONLY WITH MPN 2257701016 AND MPN 2257702016 HEADERS.

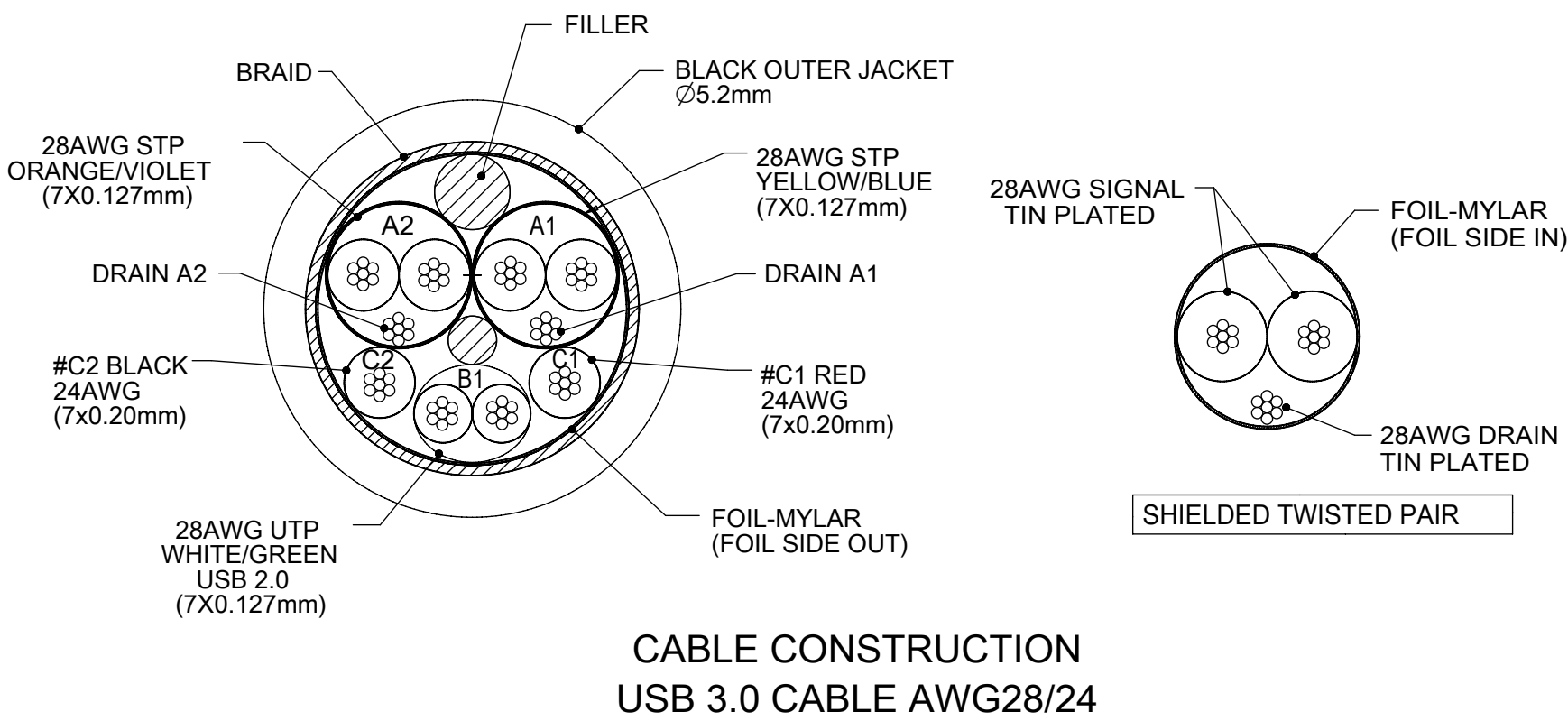


CABLE CONSTRUCTION

2-PAIR STP HIGH BANDWIDTH 28AWG CABLE

WIRING DIAGRAM FOR 4-PAIR LVDS CABLE					
12CKT (END 1)			12CKT (END 2)		
SIGNAL NAME	CONTACT	WIRE COLORS	WIRE COLORS	CONTACT	SIGNAL NAME
PAIR DRAIN C	1	DRAIN C	DRAIN C	1	PAIR DRAIN C
TPC+	2	NATURAL W/ GREEN STRIPE	NATURAL W/ GREEN STRIPE	2	TPC+
TPC -	3	NATURAL W/ YELLOW STRIPE	NATURAL W/ YELLOW STRIPE	3	TPC -
PAIR DRAIN A	4	DRAIN A	DRAIN A	4	PAIR DRAIN A
TPA +	5	NATURAL	NATURAL	5	TPA +
TPA -	6	NATURAL W/ BLUE STRIPE	NATURAL W/ BLUE STRIPE	6	TPA -
TPD +	7	NATURAL W/ ORANGE STRIPE	NATURAL W/ ORANGE STRIPE	7	TPD +
TPD -	8	NATURAL W/ VIOLET STRIPE	NATURAL W/ VIOLET STRIPE	8	TPD -
PAIR DRAIN D	9	DRAIN D	DRAIN D	9	PAIR DRAIN D
TPB +	10	NATURAL W/ BLACK STRIPE	NATURAL W/ BLACK STRIPE	10	TPB +
TPB -	11	NATURAL W/ RED STRIPE	NATURAL W/ RED STRIPE	11	TPB -
PAIR DRAIN B	12	DRAIN B	DRAIN B	12	PAIR DRAIN B
CABLE BRAID	SHIELD	BRAID TO SHIELD		SHIELD	CABLE BRAID

WIRING DIAGRAM FOR HBW LVDS 2-PAIR CABLE					
12CKT (END 1)			12CKT (END 2)		
SIGNAL NAME	CONTACT	WIRE COLORS	WIRE COLORS	CONTACT	SIGNAL NAME
LVDS A DRAIN WIRE	1	DRAIN A	DRAIN A	1	LVDS A DRAIN WIRE
LVDS A SIGNAL (+)	2	NATURAL W/ BLUE STRIPE	NATURAL W/ BLUE STRIPE	2	LVDS A SIGNAL (+)
LVDS A SIGNAL (-)	3	NATURAL	NATURAL	3	LVDS A SIGNAL (-)
LVDS B DRAIN WIRE	4	DRAIN B	DRAIN B	4	LVDS B DRAIN WIRE
LVDS B SIGNAL (+)	5	NATURAL W/ RED STRIPE	NATURAL W/ RED STRIPE	5	LVDS B SIGNAL (+)
LVDS B SIGNAL (-)	6	NATURAL W/ BLACK STRIPE	NATURAL W/ BLACK STRIPE	6	LVDS B SIGNAL (-)
NO CONNECT	7	--	--	7	NO CONNECT
NO CONNECT	8	--	--	8	NO CONNECT
NO CONNECT	9	--	--	9	NO CONNECT
NO CONNECT	10	--	--	10	NO CONNECT
NO CONNECT	11	--	--	11	NO CONNECT
NO CONNECT	12	--	--	12	NO CONNECT
CABLE BRAID	SHIELD	BRAID TO SHIELD		SHIELD	CABLE BRAID



CABLE CONSTRUCTION
USB 3.0 CABLE AWG28/24

WIRING DIAGRAM FOR USB 3.0 CABLE					
12CKT (END 1)			12CKT (END 2)		
SIGNAL NAME	CONTACT #	WIRE COLORS	WIRE COLORS	CONTACT #	SIGNAL NAME
GND_DRAIN TX	1	DRAIN A1	DRAIN A1	1	GND_DRAIN TX
SSTX+	2	YELLOW	YELLOW	2	SSTX+
SSTX-	3	BLUE	BLUE	3	SSTX-
GND_DRAIN RX	4	DRAIN A2	DRAIN A2	4	GND_DRAIN RX
SSRX+	5	ORANGE	ORANGE	5	SSRX+
SSRX-	6	VOILET	VOILET	6	SSRX-
VBUS	7	RED	RED	7	VBUS
NO CONNECT	8	--	--	8	NO CONNECT
D-	9	WHITE	WHITE	9	D-
D+	10	GREEN	GREEN	10	D+
NO CONNECT	11	--	--	11	NO CONNECT
GND	12	BLACK	BLACK	12	GND
BRAID TO SHIELD	SHIELD	BRAID TO SHIELD		SHIELD	BRAID TO SHIELD

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex							
	mm		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				HS2 CABLE ASSY 12CKT PLG TO 12CKT PLG STR POL-A TO STR POL-A										
	ANGULAR TOL ± 3.0°														
	4 PLACES		±		EC NO: 797536			PRODUCT CUSTOMER DRAWING							
	3 PLACES		±		DRWN: KMANISHTIWAR 2024/09/09										
	2 PLACES		± 0.13		CHK'D: SUBHAP2 2024/09/09										
	1 PLACE		± 0.25		APPR: ADITHS1 2024/09/09			DOCUMENT NUMBER 2257722311							
	0 PLACES		±		INITIAL REVISION:								DOC TYPE		DOC PART
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						D-SIZE		225772		SEE SHEET 1				2 OF 2	