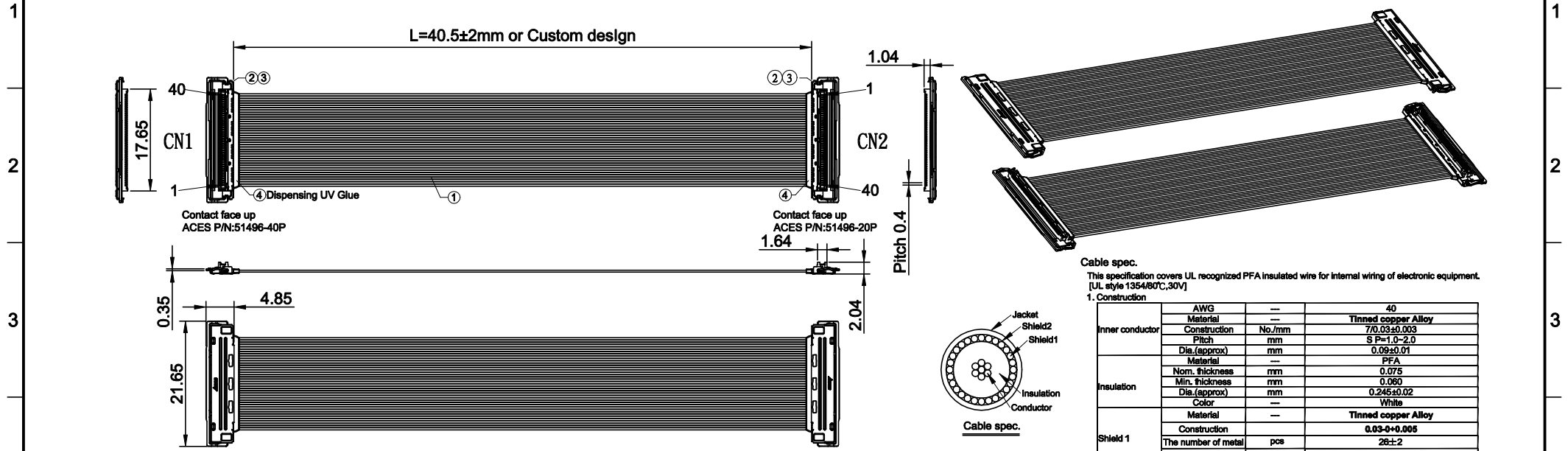


RoHS 2.0+HF

REV.	DESCRIPTION	DESIGN	DATE
A	First Drawing	Luyao.Liu	2023/08/03



Cable spec.
This specification covers UL recognized PFA insulated wire for internal wiring of electronic equipment.
[UL style 1354/60°C, 30V]

1. Construction			
Inner conductor	AWG	—	40
	Material	—	Tinned copper Alloy
	Construction	No./mm	7/0.03±0.003
	Pitch	mm	S P=1.0-2.0
Insulation	Die.(approx)	mm	0.09±0.01
	Material	—	PFA
	Norm. Thickness	mm	0.075
	Min. Thickness	mm	0.060
Shield 1	Die.(approx)	mm	0.24±0.02
	Color	—	White
	Material	—	Tinned copper Alloy
	Construction	—	0.03-0+0.005
Shield 2	The number of metal	pcs	28±2
	Pitch	mm	4.8±0.05
	Material	—	Cu metallized polyester tape
	Overlapping	%	≥80
Jacket	Con-struction	—	Wrapping
	Material	—	PET
	Con-struction	—	Wrapping
	Norm. Thickness	mm	0.01
Jacket	Die.(approx)	mm	0.35±0.02
	Color	—	Blue

2.Characteristics		
Item	Unit	Spec.
Rated temperature	°C	80
Rated voltage	V	30
Max. conductor resistance at 20°C	Ω/km	5000
Min. insulation resistance at 20°C	MΩ·km	1000
Dielectric withstanding voltage	V/min.	500
Unaged elongation	%(min)	200
Unaged tensile strength	kg/mm ²	1.78
Flammability	—	VW-1
Max current	A	0.40
Characteristic impedance (at D-TDR)	Ohm	50 ± 5 Ω

PIN ASSIGNMENT:

CN1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CN2	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21
COLOR	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE
WIRE	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#
ohm	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω
CN1	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CN2	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
COLOR	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE	BLUE
WIRE	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#	40#
ohm	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω

NOTES:

- Dimension Shall Be Interpreted Per ASME Y14.5M-2018.
- Electrical Test:
 - 1;100% OPEN & SHORT TEST.
 - 2.2;Conductor Resistance:≤2.0Ω
 - 2.3;Insulation Resistance:DC 200V/10MΩ
 - 2.4;Withstanding Voltage:AC 100V/0.1S/0.5mA
- △Is the change point

4	UV	UV Glue	A/R	G
3	SHELL	ACES P/N:51496-MB2P-040 PLUG&U-BAR ASSEMBLY	2	PCS
2	CONNECTOR	ACES P/N:51496-0402P-001 0.4 PITCH LVDS VERTICAL TYPE PLUG	2	PCS
1	WIRE	COAXIAL UL1354 40AWG COLOR:BLUE OD:0.35mm 50Ω VW-1	A/R	mm
NO.	Name	Product Name	Qty	Unit

QUALITY SYMBOLS	DRAWN BY	DATE		
MAJOR	Luyao.liu	2023/08/03		
CRITICAL	CHECKED BY	DATE	51496-40Pin LVDS cable	
GENERAL TOLERANCES (UNLESS SPECIFIED)	Dyan xu	2023/08/03		
	APPROVED BY	DATE	SIZE A4 RFO NO. PART NO. 30-5738-304HF-FA DWG NO.	
	Ocean li	2023/08/03		
300以上 ±5 101-300 ±3 31-100 ±2 0-30 ±1 ANGLES ±5°	UNITS		SCALE Free SHEET NO. 10F2 REV A	
	mm			

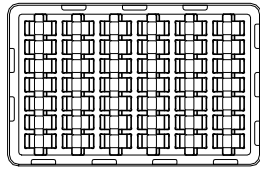
RoHS 2.0+HF

REV.	DESCRIPTION	DESIGN	DATE
A	First Drawing	Luyao.Liu	2023/08/03

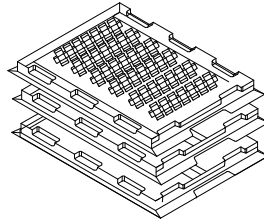
Packing



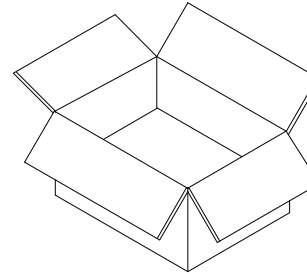
LVDS cable



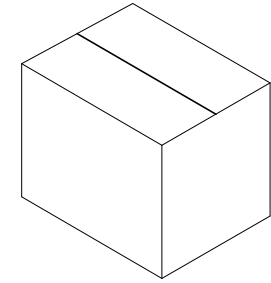
Tray(42Pcs)



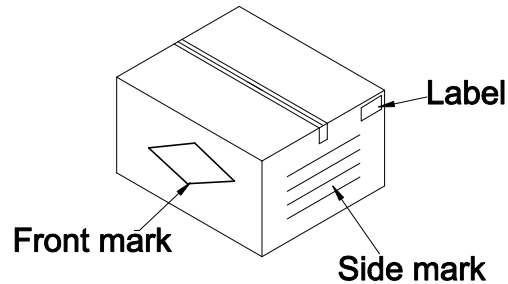
Tray(50Layer)



Carton



2100Pcs/Carton



PACKING:

- 1.Product weight:1.2±10%g
- 2.42Pcs/Tray,50 Layer/Carton,2100Pcs.
- 3.Carton size:450*300*300mm

QUALITY SYMBOLS MAJOR Ⓜ CRITICAL Ⓢ GENERAL TOLERANCES (UNLESS SPECIFIED) 300以上 ±5 101~300 ±3 31~100 ±2 0~30 ±1 ANGLES ±5°	DRAWN BY Luyao.liu 2023/08/03	ACES ELECTRONICS		
	CHECKED BY Dyan xu 2023/08/03	DATE 2023/08/03	TITLE 51496-40Pin LVDS cable	
	APPROVED BY Ocean li 2023/08/03	DATE 2023/08/03		
	UNITS mm	SCALE Free	SIZE A4 REV A	RFQ NO. PART NO. 30-5738-304HF-FA DWG NO.