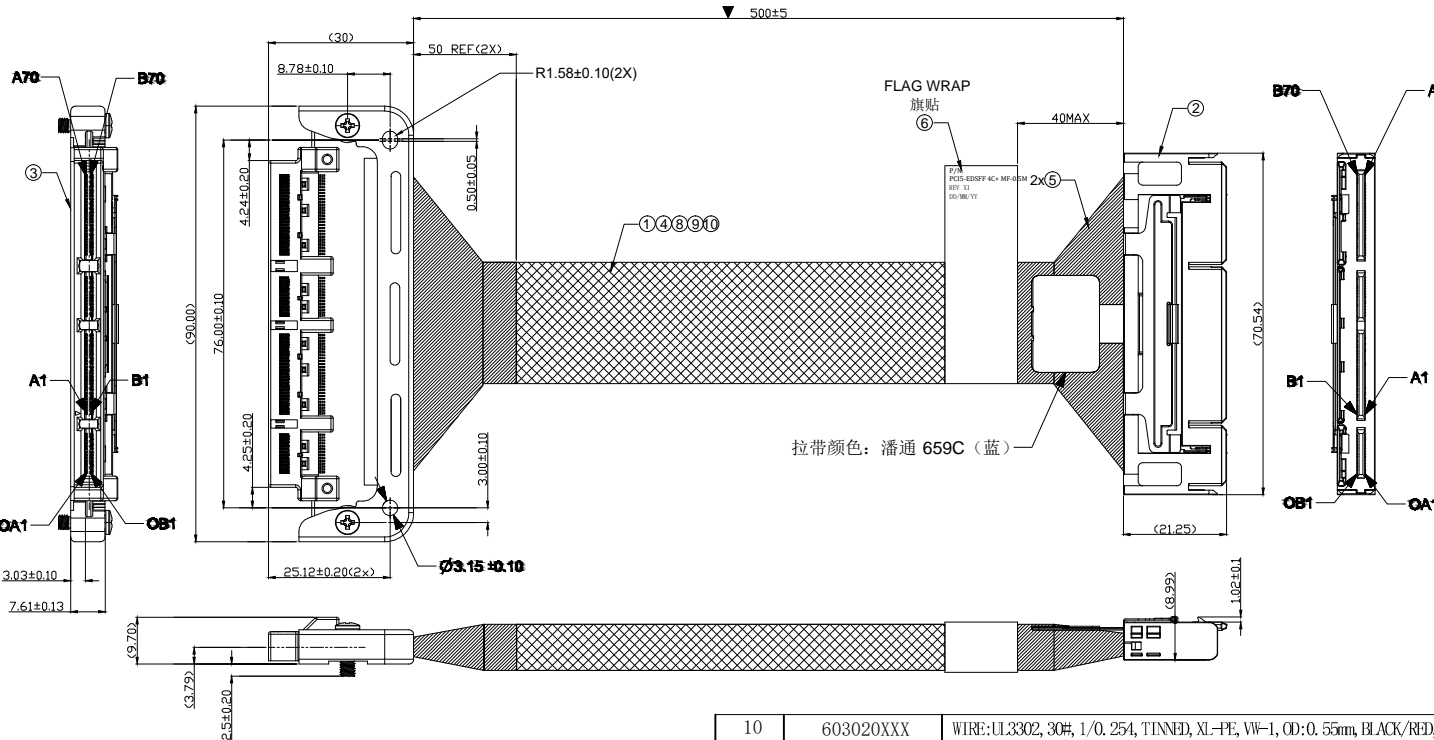


- NOTES:
- ELECTRICAL AND MICHANICAL PERFORMANCE SHOULD MEET THE PCIE5.0 INDUSTRIAL STANDARD.
电气和机械特性满足PCIE5.0工业标准。
 - THE CABLE ASSEMBLY SHALL MEET BELOW IMPEDANCE REQUIREMENT:
TERMINATION AREA: $85 \pm 15\% \text{OHMS}$, CABLE ABSOLUTE AREA: $85 \pm 10\% \text{OHMS}$.
该产品满足下面阻抗特性: 接触区域 $85 \pm 15\%$ 欧姆, 线材为 $85 \pm 10\%$ 欧姆。
 - THE CABLE ASSEMBLY SHOULD BE RoHS2.0 COMPLIANT.
该产品符合RoHS2.0。
 - 100% TEST FOR SHORT CIRCUIT, OPEN CIRCUIT AND DISLOCATION.
100%测试短路、断路、错位。
 - Dimensions Marked "▼" Shall Be Checked
标注"▼"的尺寸必须重点检验
 - INSULATION: $10\text{M} \Omega \text{ MIN/DC } 300\text{V}$.
绝缘: $10\text{M} \Omega \text{ MIN/DC } 300\text{V}$.
 - CONDUCTION IMPEDANCE 5Ω .
导通阻抗 5Ω 。

REV.	ECN NUMBER	DESCRIPTION	DATE	DRAWN	CHECK	APPROVE
X1		INITIAL RELEASE	04/18'23	Wanqiu Huang	Chengman Tan	Zhiyu Chen

P1

Tooling NO.:
TB-SLV168F03
TA-SLV168F01



P2

Tooling NO.:
TB-XXXXXXXXXX

(0.7) 焊盘到铝箔

0-0.2焊盘到绝缘

DRAIN 地线

SIGNAL 信号线

10	603020XXX	WIRE:UL3302, 30#, 1/0.254, TINNED, XL-PE, VW-1, OD:0.55mm, BLACK/RED, R2, HF	A/R	MM
9	603010XXX	RD CBL:UL1354, 32#*1C+EAM, TINNED, 50Ω, VW-1, BLUE, HF (RED/YELLOW)	A/R	MM
8	603020XXX	FLAT CBL:NO UL, 30AWG, 1/0.254, PI:0.6mm, XL-PE, GRAY, VW-1, HF	A/R	MM
7	602010105	LOW DENSITY PE, QAPCO, FD0474, NATURA, HF	A/R	KG
6	604100185	LABEL:PET, 25*150mm, WHITE, HF	1	PCS
5	605011684	POLYESTER TAPE:T=0.12mm, W=50mm, BLACK, VIM-0, R2, HF	A/R	MM
4	605041997	EXPANDO TUBE:OD=25mm, BLACK, UL94V-0, R2, HF, 3BFK	A/R	MM
3	7XXXXXXXXXX	SLIVER 4C+ PCBA F PLUG (BASE METAL:Copper Al10y,) PLATING:Au(30u" min) over Ni(100u" min), 85 OHM, PCIE5.0, HF	1	PCS
2	7XXXXXXXXXX	SLIVER 4C+ M TYPE II PLUG WITH PULL TAPE(BASE METAL:Copper Al10y,) PLATING:Au(30u" min) over Ni(100u" min), 85 OHM, PCIE5.0, HF	1	PCS
1	603010264	SAS CBL:30#*2C+2EAM, 镀银铜, 85Ω, VW-1, 蓝, HF, P5	A/R	MM
ITEM	P/N	DESCRIPTION	QTY	UNIT

GENERAL TOLERANCE

XX. ± 5	XX. ° ± 2°
X. ± 1	X. ° ± 1°
.X ± 0.5	.X° ± 0.5°
.XX ± 0.25	

SCALE:

See Drawing
UNIT: mm
SIZE: A4

DRAWN:

Wanqiu Huang

CHECK:

APPROVE:

DATE:

04/18'2023

DATE:

DATE:

DWG. NO:

151-42214-01

PARTS NO. (INTENDED USE):

WIPT818042214

TITLE:

GEN Z 4C+ M TO F 0.5M P5.0

REV.

X1

SHEET:

1/4

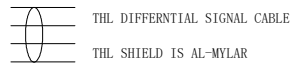
Connection relationship:

REV.	ECN NUMBER	DESCRIPTION	DATE	DRAWN	CHECK	APPROVE
X1		INITIAL RELEASE	04/18'23	Wanqiu Huang	Chengman Tan	Zhiyu Chen

P1		SIGNAL	P2	
PIN#	DESCRIPTION		PIN#	SIGNAL NAME
OCP_A1	RST_NIC_0_PERST2_N_R	GRAY	OCP_A1	RST_NIC_0_PERST2_N_R
OCP_A2	RST_NIC_0_PERSTS_N_R	GRAY	OCP_A2	RST_NIC_0_PERSTS_N_R
OCP_A3	NC		OCP_A3	NC
OCP_A4	NIC_0_RBT_AR0_IN	GRAY	OCP_A4	NIC_0_RBT_AR0_IN
OCP_A5	NIC_0_RBT_AR0_OUT	GRAY	OCP_A5	NIC_0_RBT_AR0_OUT
OCP_A6	NIC_0_SLOT_ID1	GRAY	OCP_A6	NIC_0_SLOT_ID1
OCP_A7	NCSI_NIC_0_TX_EN	GRAY	OCP_A7	NCSI_NIC_0_TX_EN
OCP_A8	NCSI_NIC_0_TXD1	GRAY	OCP_A8	NCSI_NIC_0_TXD1
OCP_A9	NCSI_NIC_0_TXD0	GRAY	OCP_A9	NCSI_NIC_0_TXD0
OCP_A10	GND	GRAY	OCP_A10	GND
OCP_A11	NC		OCP_A11	NC
OCP_A12	NC		OCP_A12	NC
OCP_A13	GND	GRAY	OCP_A13	GND
OCP_A14	CLK_30M_NIC_0_RBT_REF	GRAY	OCP_A14	CLK_30M_NIC_0_RBT_REF
KEY SLOT			KEY SLOT	
A1	GND	GRAY	A1	GND
A2	GND	GRAY	A2	GND
A3	GND	GRAY	A3	GND
A4	GND	GRAY	A4	GND
A5	GND	GRAY	A5	GND
A6	GND	GRAY	A6	GND
A7	SMB_BMC_NIC_0_R_SCL	RED	A7	SMB_BMC_NIC_0_R_SCL
A8	SMB_BMC_NIC_0_R_SDA	RED	A8	SMB_BMC_NIC_0_R_SDA
A9	SMB_BMC_NIC_0_RST_N_R	RED	A9	SMB_BMC_NIC_0_RST_N_R
A10	GND		A10	GND
A11	RST_NIC_0_PERST1_N_R	GRAY	A11	RST_NIC_0_PERST1_N_R
A12	NIC_0_PSRNTB2_N	GRAY	A12	NIC_0_PSRNTB2_N
A13	GND	GRAY	A13	GND
A14	NC		A14	NC
A15	NC		A15	NC
A16	GND		A16	GND
A17	P5E_PEX0_STN1_RX_DN<31>		A17	P5E_PEX0_STN1_RX_DN<31>
A18	P5E_PEX0_STN1_RX_DP<31>		A18	P5E_PEX0_STN1_RX_DP<31>
A19	GND		A19	GND
A20	P5E_PEX0_STN1_RX_DN<30>		A20	P5E_PEX0_STN1_RX_DN<30>
A21	P5E_PEX0_STN1_RX_DP<30>		A21	P5E_PEX0_STN1_RX_DP<30>
A22	GND		A22	GND
A23	P5E_PEX0_STN1_RX_DN<29>		A23	P5E_PEX0_STN1_RX_DN<29>
A24	P5E_PEX0_STN1_RX_DP<29>		A24	P5E_PEX0_STN1_RX_DP<29>
A25	GND		A25	GND
A26	P5E_PEX0_STN1_RX_DN<28>		A26	P5E_PEX0_STN1_RX_DN<28>
A27	P5E_PEX0_STN1_RX_DP<28>		A27	P5E_PEX0_STN1_RX_DP<28>
A28	GND		A28	GND

P1		SIGNAL	P2	
PIN#	DESCRIPTION		PIN#	DESCRIPTION
KEY SLOT			KEY SLOT	
A29	GND		A29	GND
A30	P5E_PEX0_STN1_RX_DN<27>		A30	P5E_PEX0_STN1_RX_DN<27>
A31	P5E_PEX0_STN1_RX_DP<27>		A31	P5E_PEX0_STN1_RX_DP<27>
A32	GND		A32	GND
A33	P5E_PEX0_STN1_RX_DN<26>		A33	P5E_PEX0_STN1_RX_DN<26>
A34	P5E_PEX0_STN1_RX_DP<26>		A34	P5E_PEX0_STN1_RX_DP<26>
A35	GND		A35	GND
A36	P5E_PEX0_STN1_RX_DN<25>		A36	P5E_PEX0_STN1_RX_DN<25>
A37	P5E_PEX0_STN1_RX_DP<25>		A37	P5E_PEX0_STN1_RX_DP<25>
A38	GND		A38	GND
A39	P5E_PEX0_STN1_RX_DN<24>		A39	P5E_PEX0_STN1_RX_DN<24>
A40	P5E_PEX0_STN1_RX_DP<24>		A40	P5E_PEX0_STN1_RX_DP<24>
A41	GND		A41	GND
A42	NIC_0_PSRNTB1_N	RED	A42	NIC_0_PSRNTB1_N
KEY SLOT			KEY SLOT	
A43	GND		A43	GND
A44	P5E_PEX0_STN1_RX_DN<23>		A44	P5E_PEX0_STN1_RX_DN<23>
A45	P5E_PEX0_STN1_RX_DP<23>		A45	P5E_PEX0_STN1_RX_DP<23>
A46	GND		A46	GND
A47	P5E_PEX0_STN1_RX_DN<22>		A47	P5E_PEX0_STN1_RX_DN<22>
A48	P5E_PEX0_STN1_RX_DP<22>		A48	P5E_PEX0_STN1_RX_DP<22>
A49	GND		A49	GND
A50	P5E_PEX0_STN1_RX_DN<21>		A50	P5E_PEX0_STN1_RX_DN<21>
A51	P5E_PEX0_STN1_RX_DP<21>		A51	P5E_PEX0_STN1_RX_DP<21>
A52	GND		A52	GND
A53	P5E_PEX0_STN1_RX_DN<20>		A53	P5E_PEX0_STN1_RX_DN<20>
A54	P5E_PEX0_STN1_RX_DP<20>		A54	P5E_PEX0_STN1_RX_DP<20>
A55	GND		A55	GND
A56	P5E_PEX0_STN1_RX_DN<19>		A56	P5E_PEX0_STN1_RX_DN<19>
A57	P5E_PEX0_STN1_RX_DP<19>		A57	P5E_PEX0_STN1_RX_DP<19>
A58	GND		A58	GND
A59	P5E_PEX0_STN1_RX_DN<18>		A59	P5E_PEX0_STN1_RX_DN<18>
A60	P5E_PEX0_STN1_RX_DP<18>		A60	P5E_PEX0_STN1_RX_DP<18>
A61	GND		A61	GND
A62	P5E_PEX0_STN1_RX_DN<17>		A62	P5E_PEX0_STN1_RX_DN<17>
A63	P5E_PEX0_STN1_RX_DP<17>		A63	P5E_PEX0_STN1_RX_DP<17>
A64	GND		A64	GND
A65	P5E_PEX0_STN1_RX_DN<16>		A65	P5E_PEX0_STN1_RX_DN<16>
A66	P5E_PEX0_STN1_RX_DP<16>		A66	P5E_PEX0_STN1_RX_DP<16>
A67	GND		A67	GND
A70	NIC_0_PWRBRK_R_N	RED	A70	NIC_0_PWRBRK_R_N
A68	NC		A68	NC
A69	NC		A69	NC

注意：A68、A69、和A70的特殊线位。



1C+1D-50-ohm
RED + DRAIN

1C+1D-50-ohm
YELLOW + DRAIN

GENERAL TOLERANCE		SCALE:	DRAWN:	DATE:	DWG. NO:	TITLE:	REV.
XX. ± 5	XX. ° ± 2°	See Drawing	Wanqiu Huang	04/18'2023	151-42214-01	GEN Z 4C+ M TO F 0.5M P5.0	X1
X. ± 1	X. ° ± 1°	UNIT:	CHECK:	DATE:			PARTS NO. (INTENDED USE):
.X ± 0.5	.X° ± 0.5°	mm	APPROVE:	DATE:	WIPT818042214		2/4
.XX ± 0.25		SIZE: A4					

REV.	ECN NUMBER	DESCRIPTION	DATE	DRAWN	CHECK	APPROVE
X1		INITIAL RELEASE	04/18' 23	Wanqiu Huang	Chengman Tan	Zhiyu Chen


Connection relationship:

P1		SIGNAL	P2	
PIN#	DESCRIPTION		PIN#	DESCRIPTION
OC1_B1	NIC_0_NIC_PWR_GOOD	GRAY	OC1_B1	NIC_0_NIC_PWR_GOOD
OC1_B2	NIC_0_MAIN_PWR_EN_R	GRAY	OC1_B2	NIC_0_MAIN_PWR_EN_R
OC1_B3	NIC_0_LD_N	GRAY	OC1_B3	NIC_0_LD_N
OC1_B4	NIC_0_DATA_IN	GRAY	OC1_B4	NIC_0_DATA_IN
OC1_B5	NIC_0_DATA_OUT	GRAY	OC1_B5	NIC_0_DATA_OUT
OC1_B6	NIC_0_CLK	GRAY	OC1_B6	NIC_0_CLK
OC1_B7	NIC_0_SLOT_ID0	GRAY	OC1_B7	NIC_0_SLOT_ID0
OC1_B8	NCSI_NIC_0_RXD1	GRAY	OC1_B8	NCSI_NIC_0_RXD1
OC1_B9	NCSI_NIC_0_RXD0	GRAY	OC1_B9	NCSI_NIC_0_RXD0
OC1_B10	GND		OC1_B10	GND
OC1_B11	NC		OC1_B11	NC
OC1_B12	NC		OC1_B12	NC
OC1_B13	GND	GRAY	OC1_B13	GND
OC1_B14	NCSI_NIC_0_CRSDV	GRAY	OC1_B14	NCSI_NIC_0_CRSDV
KEY SLOT			KEY SLOT	
B1	P12V_OCP_V3_0	GRAY	B1	P12V_OCP_V3_0
B2	P12V_OCP_V3_0	GRAY	B2	P12V_OCP_V3_0
B3	P12V_OCP_V3_0	GRAY	B3	P12V_OCP_V3_0
B4	P12V_OCP_V3_0	GRAY	B4	P12V_OCP_V3_0
B5	P12V_OCP_V3_0	GRAY	B5	P12V_OCP_V3_0
B6	P12V_OCP_V3_0	GRAY	B6	P12V_OCP_V3_0
B7	NIC_0_BIF0_N	GRAY	B7	NIC_0_BIF0_N
B8	NIC_0_BIF1_N	GRAY	B8	NIC_0_BIF1_N
B9	NIC_0_BIF2_N	GRAY	B9	NIC_0_BIF2_N
B10	RST_NIC_0_PERST0_N_R	GRAY	B10	RST_NIC_0_PERST0_N_R
B11	P3V3_OCP_V3_0	GRAY	B11	P3V3_OCP_V3_0
B12	NIC_0_AUX_PWR_EN_R	GRAY	B12	NIC_0_AUX_PWR_EN_R
B13	GND		B13	GND
B14	CLK_100M_DB2001_NIC_0_DN_R		B14	CLK_100M_DB2001_NIC_0_DN_R
B15	CLK_100M_DB2001_NIC_0_DP_R		B15	CLK_100M_DB2001_NIC_0_DP_R
B16	GND		B16	GND
B17	PSE_PEX0_STM1_TX_C_DN<31>		B17	PSE_PEX0_STM1_TX_C_DN<31>
B18	PSE_PEX0_STM1_TX_C_DP<31>		B18	PSE_PEX0_STM1_TX_C_DP<31>
B19	GND		B19	GND
B20	PSE_PEX0_STM1_TX_C_DN<30>		B20	PSE_PEX0_STM1_TX_C_DN<30>
B21	PSE_PEX0_STM1_TX_C_DP<30>		B21	PSE_PEX0_STM1_TX_C_DP<30>
B22	GND		B22	GND
B23	PSE_PEX0_STM1_TX_C_DN<29>		B23	PSE_PEX0_STM1_TX_C_DN<29>
B24	PSE_PEX0_STM1_TX_C_DP<29>		B24	PSE_PEX0_STM1_TX_C_DP<29>
B25	GND		B25	GND
B26	PSE_PEX0_STM1_TX_C_DN<28>		B26	PSE_PEX0_STM1_TX_C_DN<28>
B27	PSE_PEX0_STM1_TX_C_DP<28>		B27	PSE_PEX0_STM1_TX_C_DP<28>
B28	GND		B28	GND

P1		SIGNAL	P2	
PIN#	DESCRIPTION		PIN#	SIGNAL NAME
KEY SLOT			KEY SLOT	
B29	GND		B29	GND
B30	PSE_PEX0_STM1_TX_C_DN<27>		B30	PSE_PEX0_STM1_TX_C_DN<27>
B31	PSE_PEX0_STM1_TX_C_DP<27>		B31	PSE_PEX0_STM1_TX_C_DP<27>
B32	GND		B32	GND
B33	PSE_PEX0_STM1_TX_C_DN<26>		B33	PSE_PEX0_STM1_TX_C_DN<26>
B34	PSE_PEX0_STM1_TX_C_DP<26>		B34	PSE_PEX0_STM1_TX_C_DP<26>
B35	GND		B35	GND
B36	PSE_PEX0_STM1_TX_C_DN<25>		B36	PSE_PEX0_STM1_TX_C_DN<25>
B37	PSE_PEX0_STM1_TX_C_DP<25>		B37	PSE_PEX0_STM1_TX_C_DP<25>
B38	GND		B38	GND
B39	PSE_PEX0_STM1_TX_C_DN<24>		B39	PSE_PEX0_STM1_TX_C_DN<24>
B40	PSE_PEX0_STM1_TX_C_DP<24>		B40	PSE_PEX0_STM1_TX_C_DP<24>
B41	GND		B41	GND
B42	NIC_0_PRSNTB0_N	BLACK	B42	NIC_0_PRSNTB0_N
KEY SLOT			KEY SLOT	
B43	GND		B43	GND
B44	PSE_PEX0_STM1_TX_C_DN<23>		B44	PSE_PEX0_STM1_TX_C_DN<23>
B45	PSE_PEX0_STM1_TX_C_DP<23>		B45	PSE_PEX0_STM1_TX_C_DP<23>
B46	GND		B46	GND
B47	PSE_PEX0_STM1_TX_C_DN<22>		B47	PSE_PEX0_STM1_TX_C_DN<22>
B48	PSE_PEX0_STM1_TX_C_DP<22>		B48	PSE_PEX0_STM1_TX_C_DP<22>
B49	GND		B49	GND
B50	PSE_PEX0_STM1_TX_C_DN<21>		B50	PSE_PEX0_STM1_TX_C_DN<21>
B51	PSE_PEX0_STM1_TX_C_DP<21>		B51	PSE_PEX0_STM1_TX_C_DP<21>
B52	GND		B52	GND
B53	PSE_PEX0_STM1_TX_C_DN<20>		B53	PSE_PEX0_STM1_TX_C_DN<20>
B54	PSE_PEX0_STM1_TX_C_DP<20>		B54	PSE_PEX0_STM1_TX_C_DP<20>
B55	GND		B55	GND
B56	PSE_PEX0_STM1_TX_C_DN<19>		B56	PSE_PEX0_STM1_TX_C_DN<19>
B57	PSE_PEX0_STM1_TX_C_DP<19>		B57	PSE_PEX0_STM1_TX_C_DP<19>
B58	GND		B58	GND
B59	PSE_PEX0_STM1_TX_C_DN<18>		B59	PSE_PEX0_STM1_TX_C_DN<18>
B60	PSE_PEX0_STM1_TX_C_DP<18>		B60	PSE_PEX0_STM1_TX_C_DP<18>
B61	GND		B61	GND
B62	PSE_PEX0_STM1_TX_C_DN<17>		B62	PSE_PEX0_STM1_TX_C_DN<17>
B63	PSE_PEX0_STM1_TX_C_DP<17>		B63	PSE_PEX0_STM1_TX_C_DP<17>
B64	GND		B64	GND
B65	PSE_PEX0_STM1_TX_C_DN<16>		B65	PSE_PEX0_STM1_TX_C_DN<16>
B66	PSE_PEX0_STM1_TX_C_DP<16>		B66	PSE_PEX0_STM1_TX_C_DP<16>
B67	GND		B67	GND
B70	NIC_0_1_PRSNTB3_N	BLACK	B70	NIC_0_1_PRSNTB3_N
B69	NC		B69	NC
B68	NC		B68	NC

注意: B68、B69、和B70的特殊线位。

 THL DIFFERENTIAL SIGNAL CABLE

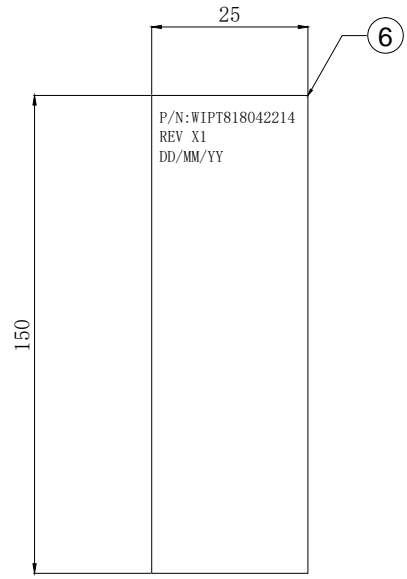
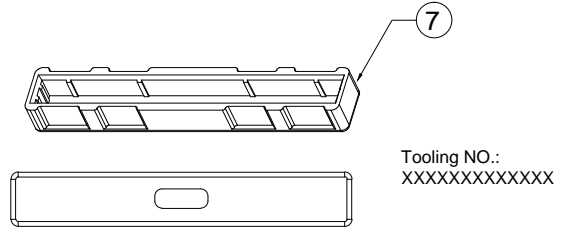
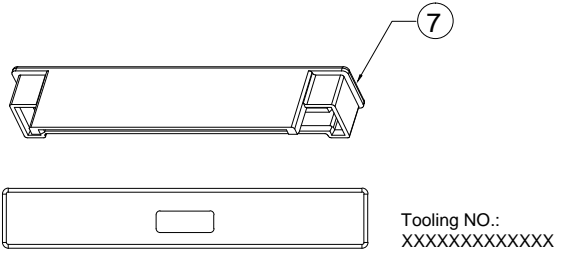
 THL SHIELD IS AL-MYLAR

GENERAL TOLERANCE	XX. ± 5	XX. ° ± 2°	SCALE: See Drawing	DRAWN: Wanqiu Huang	DATE: 04/18' 2023	DWG. NO: 151-42214-01	TITLE: GEN Z 4C+ M TO F 0.5M P5.0	REV. X1	
	X. ± 1	X. ° ± 1°		UNIT: mm	CHECK:		DATE:	PARTS NO. (INTENDED USE): WIPT818042214	SHEET: 3/4
	.X ± 0.5	.X ° ± 0.5°		SIZE: A4	APPROVE:		DATE:		
	.XX ± 0.25								

REV.	ECN NUMBER	DESCRIPTION	DATE	DRAWN	CHECK	APPROVE
X1		INITIAL RELEASE	04/18' 23	Wanqiu Huang	Chengman Tan	Zhiyu Chen

1
2
3

1
2
3



GENERAL TOLERANCE		SCALE:	DRAWN:	DATE:	DWG. NO:	TITLE:	REV.
XX. ± 5	XX. ° ± 2°	See Drawing	Wanqiu Huang	04/18' 2023	151-42214-01	GEN Z 4C+ M TO F 0.5M P5.0	X1
X. ± 1	X. ° ± 1°	UNIT:	CHECK:	DATE:			PARTS NO. (INTENDED USE):
. X ± 0.5	. X ° ± 0.5°	mm	APPROVE:	DATE:	WIPT818042214		4/4
. XX ± 0.25		SIZE: A4					

A B C D E

A B C D E