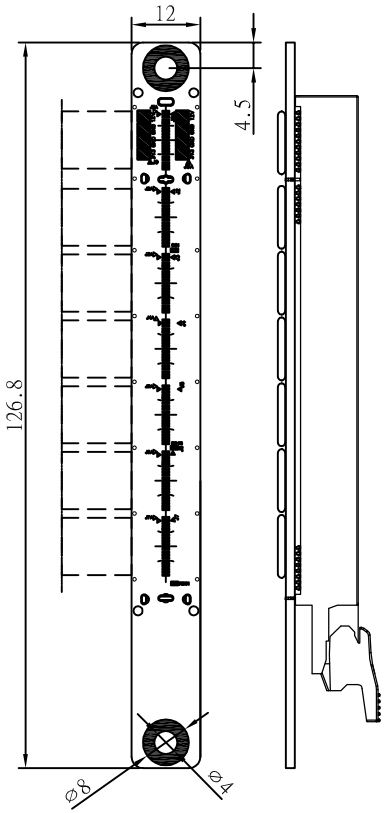
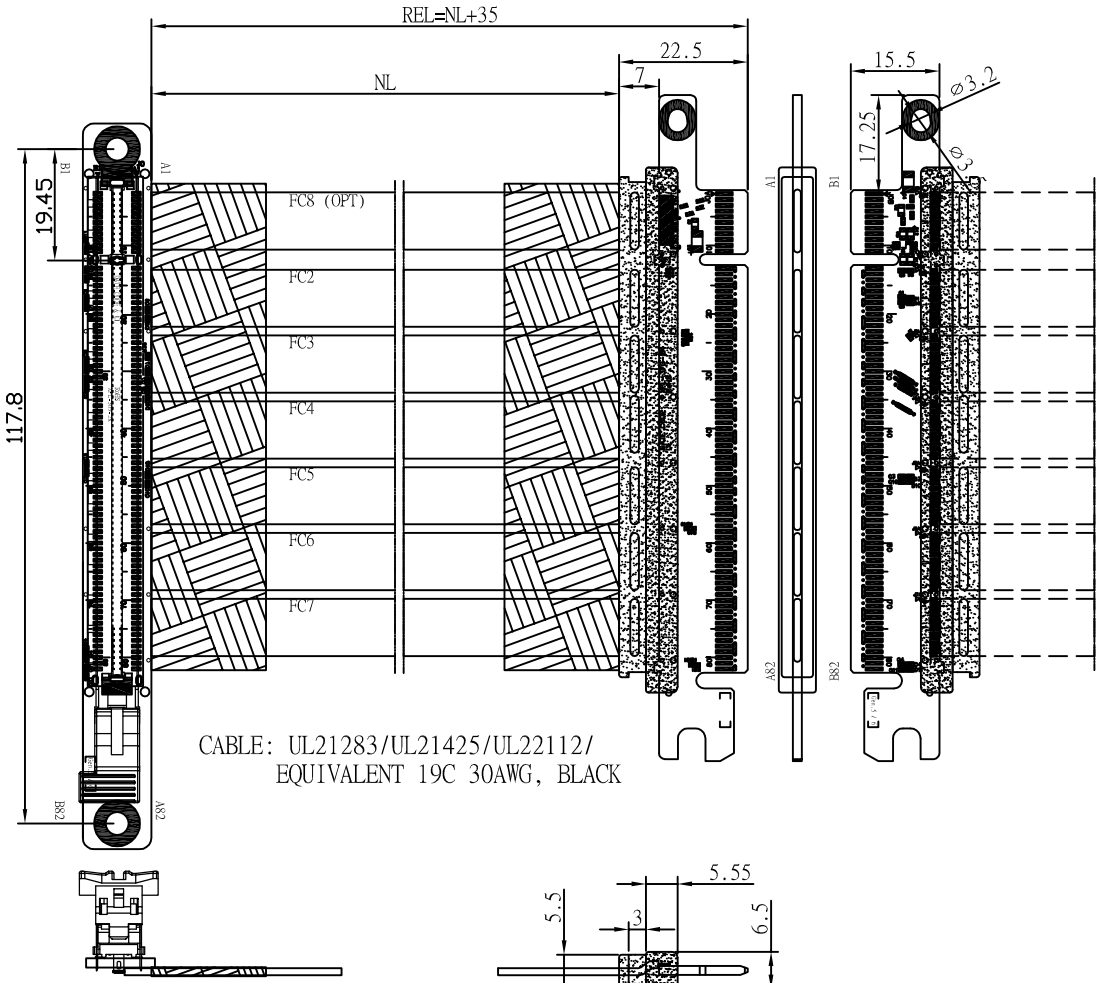
REV.	ZONE	DESCRIPTION	DATE	REVISER	APPD

備註:
P1連接器為XAA-313-164FA

P1
PCIe G.5
Vertical 164F
(XPL-369-2K)





CABLE: UL21283/UL21425/UL22112/
EQUIVALENT 19C 30AWG, BLACK

P2
PCIe G.5 164M
(XPL-370-2K)

L (mm)	NL (mm)	Part No.
	100±10	5G164F20-10135
	130±10	5G164F20-10165
	150±10	5G164F20-10185
	250±10	5G164F20-10285
	300±15	5G164F20-10335
	500±15	5G164F20-10535

藍色PE內模

高位企業有限公司
Yes Way Enterprise Corp.

SCALE	1 : 1
UNIT	mm
NAME	Gen.5 PCIe X16 164 M/F Vert.,side A出線
SHEET	1/2
DRAWING NO.	5G164F20-1xxxx
REV	A0
DRAWN	6/04/2025 Johanna
DESIGNER	Reo
CHECKED	Jenny
APPROVED	Tim

TOLERANCE UNSPECIFIED
.000 ±
.00 ±
.0 ±
±

RoHS product

A3

原轉換料號:
.

P1				NC / FC8A		P2		
PIN DEFINE	J0B	J0A				J0B	J0A	PIN DEFINE
+12V		2		1			2	+12V
GND	4			2		4		GND
GND	32			3		32		GND
+3.3V	8			4		8		+3.3V
+12V	3			FC8		3		+12V
+12V		3	----------	1	----------		3	+12V
+12V			----------	2	----------			+12V
+12V			----------	3	----------			+12V
TCK		5	----------	4	----------		5	TCK
TDI		6	----------	5	----------		6	TDI
TDO		7	----------	6	----------		7	TDO
TMS		8	----------	7	----------		8	TMS
TRST	9		----------	8	----------	9		TRST
PRSNT#2_B17	17		----------	9	----------	17		PRSNT#2_B17
RSVD_A19		19	----------	13	----------		19	RSVD_A19
RSVD_A50		50	----------	11	----------		50	RSVD_A50
RSVD_B82	82		----------	12	----------	82		RSVD_B82
+3.3V			----------	13	----------			+3.3V
CLKREQ_B12			----------	14	----------			CLKREQ_B12
RVSD_B30 / PWRBRK	30		----------	15	----------	30		RVSD_B30 / PWRBRK
RVSD_A32		32	----------	15	----------		32	RVSD_A32
RSVD_A33		33	----------	17	----------		33	RSVD_A33
PRSNT#2_B48	48		----------	18	----------	48		PRSNT#2_B48
PRSNT#2_B81	81		----------	19	----------	81		PRSNT#2_B81
+3.3V								+3.3V

+12V	1			FC2		1		+12V
+12V	2		----------	1	----------	2		+12V
NC								+3.3V
NC								+3.3V
NC								B5_CLKDAT
+3.3V AUX	10		----------	2	----------	10		+3.3V AUX
NC								+3.3V
PERST		11	----------	3	----------		11	PERST
GND	7		----------	4	----------	7		GND
REFCLK+		13	----------	5	----------		13	REFCLK+
REFCLK-		14	----------	6	----------		14	REFCLK-
GND		15	----------	7	----------		15	GND
HSOp(0)	14		----------	8	----------	14		HSOp(0)
HSOn(0)	15		----------	9	----------	15		HSOn(0)
GND	16		----------	10	----------	16		GND
HSIp(0)		16	----------	11	----------		16	HSIp(0)
HSIn(0)		17	----------	12	----------		17	HSIn(0)
GND		18	----------	13	----------		18	GND
HSOp(1)	19		----------	14	----------	19		HSOp(1)
HSOn(1)	20		----------	15	----------	20		HSOn(1)
GND	21		----------	16	----------	21		GND
HSIp(1)		21	----------	17	----------		21	HSIp(1)
HSIn(1)		22	----------	18	----------		22	HSIn(1)
GND		23	----------	19	----------		23	GND
NC / SMDAT_B6								NC
CLKREQ_B12	12					12		CLKREQ_B12
NC / LED ACT(OPT)								NC

								+12V
								+12V
+3.3V		9		FC3			9	+3.3V
+3.3V		10	----------	1	----------		10	+3.3V
SMCLK_B5	5		----------	2	----------	5		SMCLK_B5
SMDAT_B6	6		----------	3	----------	6		SMDAT_B6
WAKE_B11	11		----------	4	----------	11		WAKE_B11
PRSNT#1_A1		1	----------	5	----------		1	PRSNT#1_A1
PRSNT#2_B31	31		----------	6	----------	31		PRSNT#2_B31
GND		4	----------	7	----------		4	GND
HSOp(2)	23		----------	8	----------	23		HSOp(2)
HSOn(2)	24		----------	9	----------	24		HSOn(2)
GND	25		----------	10	----------	25		GND
HSIp(2)		25	----------	11	----------		25	HSIp(2)
HSIn(2)		26	----------	12	----------		26	HSIn(2)
GND		27	----------	13	----------		27	GND
HSOp(3)	27		----------	14	----------	27		HSOp(3)
HSOn(3)	28		----------	15	----------	28		HSOn(3)
GND	29		----------	16	----------	29		GND
HSIp(3)		29	----------	17	----------		29	HSIp(3)
HSIn(3)		30	----------	18	----------		30	HSIn(3)
GND		31	----------	19	----------		31	GND
NC / SMDAT_B6								NC / SMDAT_B6

NC				FC4				NC
GND		34	----------	1	----------		34	GND
HSOp(4)	33		----------	2	----------	33		HSOp(4)
HSOn(4)	34		----------	3	----------	34		HSOn(4)
GND	35		----------	4	----------	35		GND
HSIp(4)		35	----------	5	----------		35	HSIp(4)
HSIn(4)		36	----------	6	----------		36	HSIn(4)
GND		37	----------	7	----------		37	GND
HSOp(5)	37		----------	8	----------	37		HSOp(5)
HSOn(5)	38		----------	9	----------	38		HSOn(5)
GND	39		----------	10	----------	39		GND
HSIp(5)		39	----------	11	----------		39	HSIp(5)
HSIn(5)		40	----------	12	----------		40	HSIn(5)
GND		41	----------	13	----------		41	GND
HSOp(6)	41		----------	14	----------	41		HSOp(6)
HSOn(6)	42		----------	15	----------	42		HSOn(6)
GND	43		----------	16	----------	43		GND
HSIp(6)		43	----------	17	----------		43	HSIp(6)
HSIn(6)		44	----------	18	----------		44	HSIn(6)
GND		45	----------	19	----------		45	GND
NC								NC

P1				FC5		P2		
PIN DEFINE	J0B	J0A				J0B	J0A	PIN DEFINE
NC								NC
GND	44		----------	1	----------	44		GND
HSOp(7)	45		----------	2	----------	45		HSOp(7)
HSOn(7)	46		----------	3	----------	46		HSOn(7)
GND	47		----------	4	----------	47		GND
HSIp(7)		47	----------	5	----------		47	HSIp(7)
HSIn(7)		48	----------	6	----------		48	HSIn(7)
GND		49	----------	7	----------		49	GND
HSOp(8)	50		----------	8	----------	50		HSOp(8)
HSOn(8)	51		----------	9	----------	51		HSOn(8)
GND	52		----------	10	----------	52		GND
HSIp(8)		52	----------	11	----------		52	HSIp(8)
HSIn(8)		53	----------	12	----------		53	HSIn(8)
GND		54	----------	13	----------		54	GND
HSOp(9)	54		----------	14	----------	54		HSOp(9)
HSOn(9)	55		----------	15	----------	55		HSOn(9)
GND			----------	16	----------			GND
HSIp(9)		56	----------	17	----------		56	HSIp(9)
HSIn(9)		57	----------	18	----------		57	HSIn(9)
GND	57		----------	19	----------	57		GND
NC / PRSNT#2_B48								NC / PRSNT#2_B48
NC / PRSNT#2_B48								NC / PRSNT#2_B48

NC				FC6				NC
GND		58	----------	1	----------		58	GND
HSOp(10)	58		----------	2	----------	58		HSOp(10)
HSOn(10)	59		----------	3	----------	59		HSOn(10)
GND		59	----------	4	----------		59	GND
HSIp(10)		60	----------	5	----------		60	HSIp(10)
HSIn(10)		61	----------	6	----------		61	HSIn(10)
GND	60		----------	7	----------	60		GND
HSOp(11)	62		----------	8	----------	62		HSOp(11)
HSOn(11)	63		----------	9	----------	63		HSOn(11)
GND		66	----------	10	----------		66	GND
HSIp(11)		64	----------	11	----------		64	HSIp(11)
HSIn(11)		65	----------	12	----------		65	HSIn(11)
GND	64		----------	13	----------	64		GND
HSOp(12)	66		----------	14	----------	66		HSOp(12)
HSOn(12)	67		----------	15	----------	67		HSOn(12)
GND	68		----------	16	----------	68		GND
HSIp(12)		68	----------	17	----------		68	HSIp(12)
HSIn(12)		69	----------	18	----------		69	HSIn(12)
GND		70	----------	19	----------		70	GND
NC								NC

NC				FC7				NC
GND	69		----------	1	----------	69		GND
HSOp(13)	70		----------	2	----------	70		HSOp(13)
HSOn(13)	71		----------	3	----------	71		HSOn(13)
GND		71	----------	4	----------		71	GND
HSIp(13)		72	----------	5	----------		72	HSIp(13)
HSIn(13)		73	----------	6	----------		73	HSIn(13)
GND	72		----------	7	----------	72		GND
HSOp(14)	74		----------	8	----------	74		HSOp(14)
HSOn(14)	75		----------	9	----------	75		HSOn(14)
GND		78	----------	10	----------		78	GND
HSIp(14)		76	----------	11	----------		76	HSIp(14)
HSIn(14)		77	----------	12	----------		77	HSIn(14)
GND	76		----------	13	----------	76		GND
HSOp(15)	78		----------	14	----------	78		HSOp(15)
HSOn(15)	79		----------	15	----------	79		HSOn(15)
GND	80		----------	16	----------	80		GND
HSIp(15)		80	----------	17	----------		80	HSIp(15)
HSIn(15)		81	----------	18	----------		81	HSIn(15)
GND		82	----------	19	----------		82	GND
NC / PRSNT#2_B81								NC / PRSNT#2_B81
NC / PRSNT#2_B81								NC / PRSNT#2_B81

GND	13	12		13	12	GND
GND	18	20		18	20	GND
GND	22	24		22	24	GND
GND	26	28		26	28	GND
GND	36	38		36	38	GND
GND	40	42		40	42	GND
GND	49	46		49	46	GND
GND	53	51		53	51	GND
GND	56	55		56	55	GND
GND	61	62		61	62	GND
GND	65	63		65	63	GND
GND	73	67		73	67	GND
GND	77	74		77	74	GND
GND		75			75	GND
GND		79			79	GND

ALL "GND" ARE CONNTED TOGETHER.
ALL "+12V" ARE CONNTED TOGETHER.
ALL "+3.3V" ARE CONNTED TOGETHER.
ALL "+3.3V AUX" ARE CONNTED TOGETHER.

ALL "SMCLK_B5" ARE CONNTED TOGETHER.
ALL "SMDAT_B6" ARE CONNTED TOGETHER.
ALL "CLKREQ_B12" ARE CONNTED TOGETHER.
ALL "PRSNT#2_B48" ARE CONNTED TOGETHER.
ALL "PRSNT#2_B81" ARE CONNTED TOGETHER.

P1 /P2 INCLUDE CR teminator *11 sets.

REV.	ZONE	DESCRIPTION	DATE	REVISER	APPD

高位企業有限公司
Yes Way Enterprise Corp.

SCALE 1 : 1	UNIT mm	TOLERANCE UNSPECIFIED	
		.000	±
		.00	±
		.0	±
			±
NAME Gen.5 PCIe X16 164 M/F Vert.,side A出線	SHEET 2/2	DRAWN 6/04/2025 Johanna	
		DESIGNER Reo	
DRAWING NO. 5G164F20-1xxxx	REV A0	CHECKED Jenny	
		APPROVED Tim	
RoHS product	A3		

原轉換料號:
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