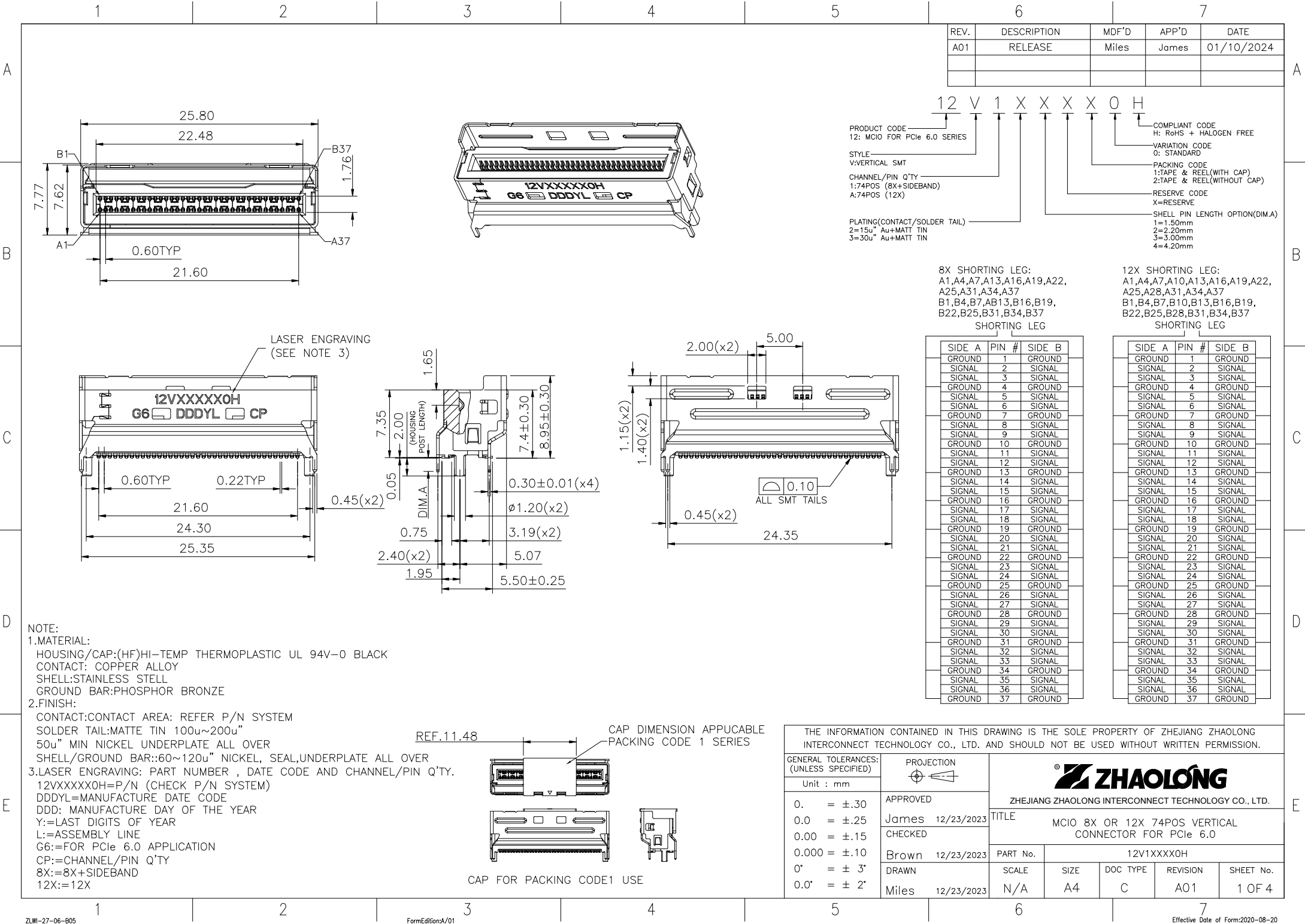




REV.	DESCRIPTION	MDF'D	APP'D	DATE
A01	RELEASE	Miles	James	01/10/2024

PRODUCT CODE: 12: MCIO FOR PCIe 6.0 SERIES

STYLE: V: VERTICAL SMT

CHANNEL/PIN Q'TY: 1: 74POS (8X+SIDE BAND) A: 74POS (12X)

PLATING (CONTACT/SOLDER TAIL): 2=15u" Au+MATT TIN 3=30u" Au+MATT TIN

COMPLIANT CODE: H: ROHS + HALOGEN FREE

VARIATION CODE: 0: STANDARD

PACKING CODE: 1: TAPE & REEL (WITH CAP) 2: TAPE & REEL (WITHOUT CAP)

RESERVE CODE: X=RESERVE

SHELL PIN LENGTH OPTION (DIM.A): 1=1.50mm 2=2.20mm 3=3.00mm 4=4.20mm

8X SHORTING LEG: A1,A4,A7,A13,A16,A19,A22, A25,A31,A34,A37 B1,B4,B7,B10,B13,B16,B19, B22,B25,B31,B34,B37

12X SHORTING LEG: A1,A4,A7,A10,A13,A16,A19,A22, A25,A28,A31,A34,A37 B1,B4,B7,B10,B13,B16,B19, B22,B25,B28,B31,B34,B37

SIDE A	PIN #	SIDE B
GROUND	1	GROUND
SIGNAL	2	SIGNAL
SIGNAL	3	SIGNAL
GROUND	4	GROUND
SIGNAL	5	SIGNAL
SIGNAL	6	SIGNAL
GROUND	7	GROUND
SIGNAL	8	SIGNAL
SIGNAL	9	SIGNAL
GROUND	10	GROUND
SIGNAL	11	SIGNAL
SIGNAL	12	SIGNAL
GROUND	13	GROUND
SIGNAL	14	SIGNAL
SIGNAL	15	SIGNAL
GROUND	16	GROUND
SIGNAL	17	SIGNAL
SIGNAL	18	SIGNAL
GROUND	19	GROUND
SIGNAL	20	SIGNAL
SIGNAL	21	SIGNAL
GROUND	22	GROUND
SIGNAL	23	SIGNAL
SIGNAL	24	SIGNAL
GROUND	25	GROUND
SIGNAL	26	SIGNAL
SIGNAL	27	SIGNAL
GROUND	28	GROUND
SIGNAL	29	SIGNAL
SIGNAL	30	SIGNAL
GROUND	31	GROUND
SIGNAL	32	SIGNAL
SIGNAL	33	SIGNAL
GROUND	34	GROUND
SIGNAL	35	SIGNAL
SIGNAL	36	SIGNAL
GROUND	37	GROUND

SIDE A	PIN #	SIDE B
GROUND	1	GROUND
SIGNAL	2	SIGNAL
SIGNAL	3	SIGNAL
GROUND	4	GROUND
SIGNAL	5	SIGNAL
SIGNAL	6	SIGNAL
GROUND	7	GROUND
SIGNAL	8	SIGNAL
SIGNAL	9	SIGNAL
GROUND	10	GROUND
SIGNAL	11	SIGNAL
SIGNAL	12	SIGNAL
GROUND	13	GROUND
SIGNAL	14	SIGNAL
SIGNAL	15	SIGNAL
GROUND	16	GROUND
SIGNAL	17	SIGNAL
SIGNAL	18	SIGNAL
GROUND	19	GROUND
SIGNAL	20	SIGNAL
SIGNAL	21	SIGNAL
GROUND	22	GROUND
SIGNAL	23	SIGNAL
SIGNAL	24	SIGNAL
GROUND	25	GROUND
SIGNAL	26	SIGNAL
SIGNAL	27	SIGNAL
GROUND	28	GROUND
SIGNAL	29	SIGNAL
SIGNAL	30	SIGNAL
GROUND	31	GROUND
SIGNAL	32	SIGNAL
SIGNAL	33	SIGNAL
GROUND	34	GROUND
SIGNAL	35	SIGNAL
SIGNAL	36	SIGNAL
GROUND	37	GROUND

NOTE:

1.MATERIAL:

HOUSING/CAP:(HF)HI-TEMP THERMOPLASTIC UL 94V-0 BLACK

CONTACT: COPPER ALLOY

SHELL: STAINLESS STEEL

GROUND BAR: PHOSPHOR BRONZE

2.FINISH:

CONTACT: CONTACT AREA: REFER P/N SYSTEM

SOLDER TAIL: MATTE TIN 100u~200u"

50u" MIN NICKEL UNDERPLATE ALL OVER

SHELL/GROUND BAR: 60~120u" NICKEL, SEAL, UNDERPLATE ALL OVER

3.LASER ENGRAVING: PART NUMBER, DATE CODE AND CHANNEL/PIN Q'TY.

12VXXXXX0H=P/N (CHECK P/N SYSTEM)

DDDDL=MANUFACTURE DATE CODE

DDD: MANUFACTURE DAY OF THE YEAR

Y:=LAST DIGITS OF YEAR

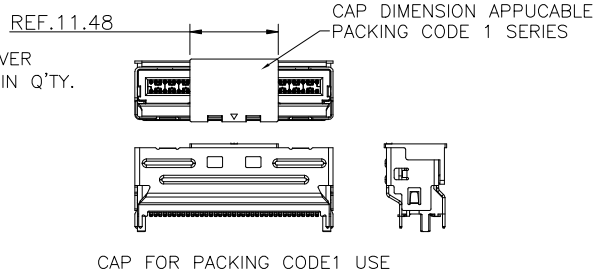
L:=ASSEMBLY LINE

G6:=FOR PCIe 6.0 APPLICATION

CP:=CHANNEL/PIN Q'TY

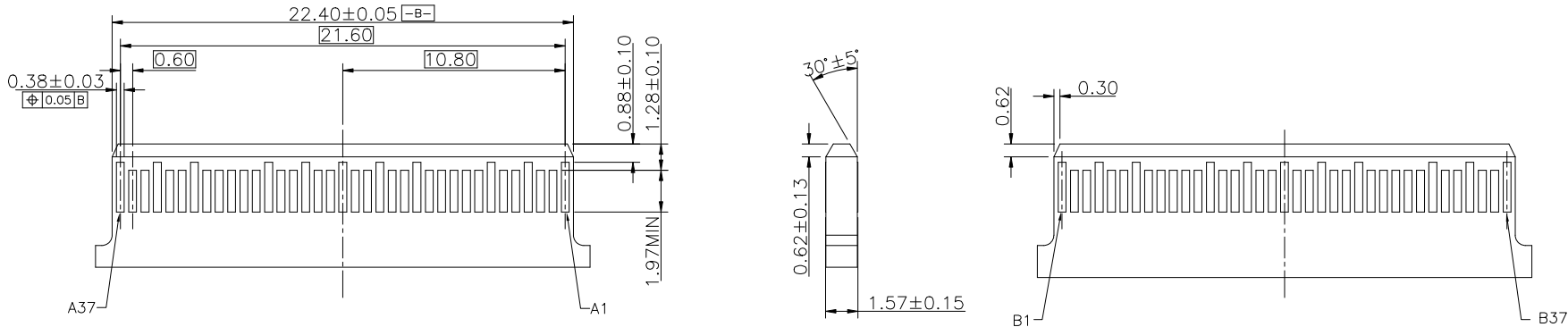
8X:=8X+SIDE BAND

12X:=12X

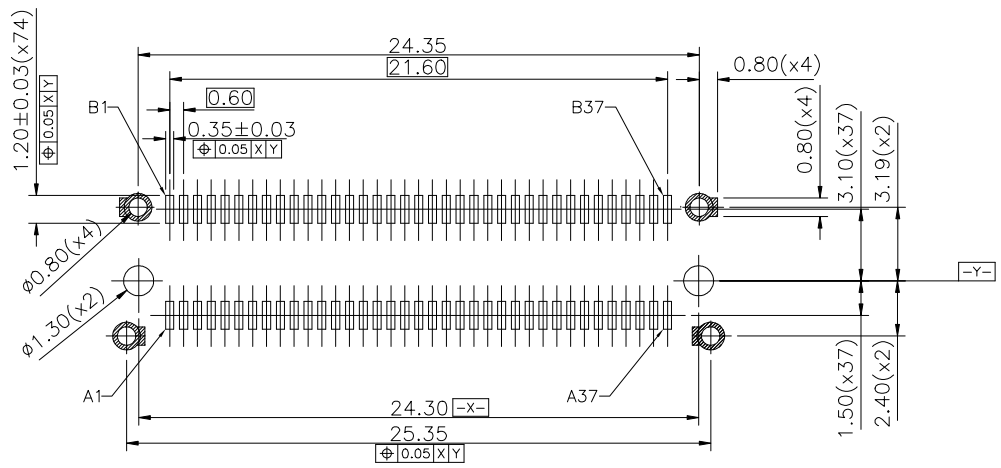


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ZHEJIANG ZHAOLONG INTERCONNECT TECHNOLOGY CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						
GENERAL TOLERANCES: (UNLESS SPECIFIED) Unit : mm	PROJECTION 	 ZHEJIANG ZHAOLONG INTERCONNECT TECHNOLOGY CO., LTD.				
0. = ±.30	APPROVED	TITLE MCIO 8X OR 12X 74POS VERTICAL CONNECTOR FOR PCIe 6.0				
0.0 = ±.25	James 12/23/2023					
0.00 = ±.15	CHECKED	PART No. 12V1XXXX0H				
0.000 = ±.10	Brown 12/23/2023					
0" = ± 3'	DRAWN	SCALE	SIZE	DOC TYPE	REVISION	SHEET No.
0.0" = ± 2'	Miles 12/23/2023	N/A	A4	C	A01	1 OF 4

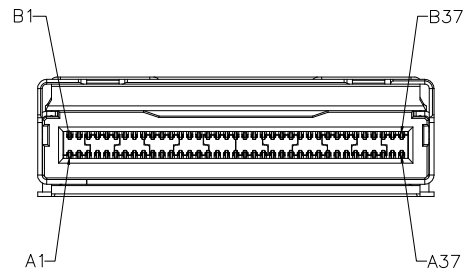
REV.	DESCRIPTION	MDF'D	APP'D	DATE
A01	RELEASE	Miles	James	01/10/2024



RECOMMENDED PLUG PADDLE CARD DIMENSIONS

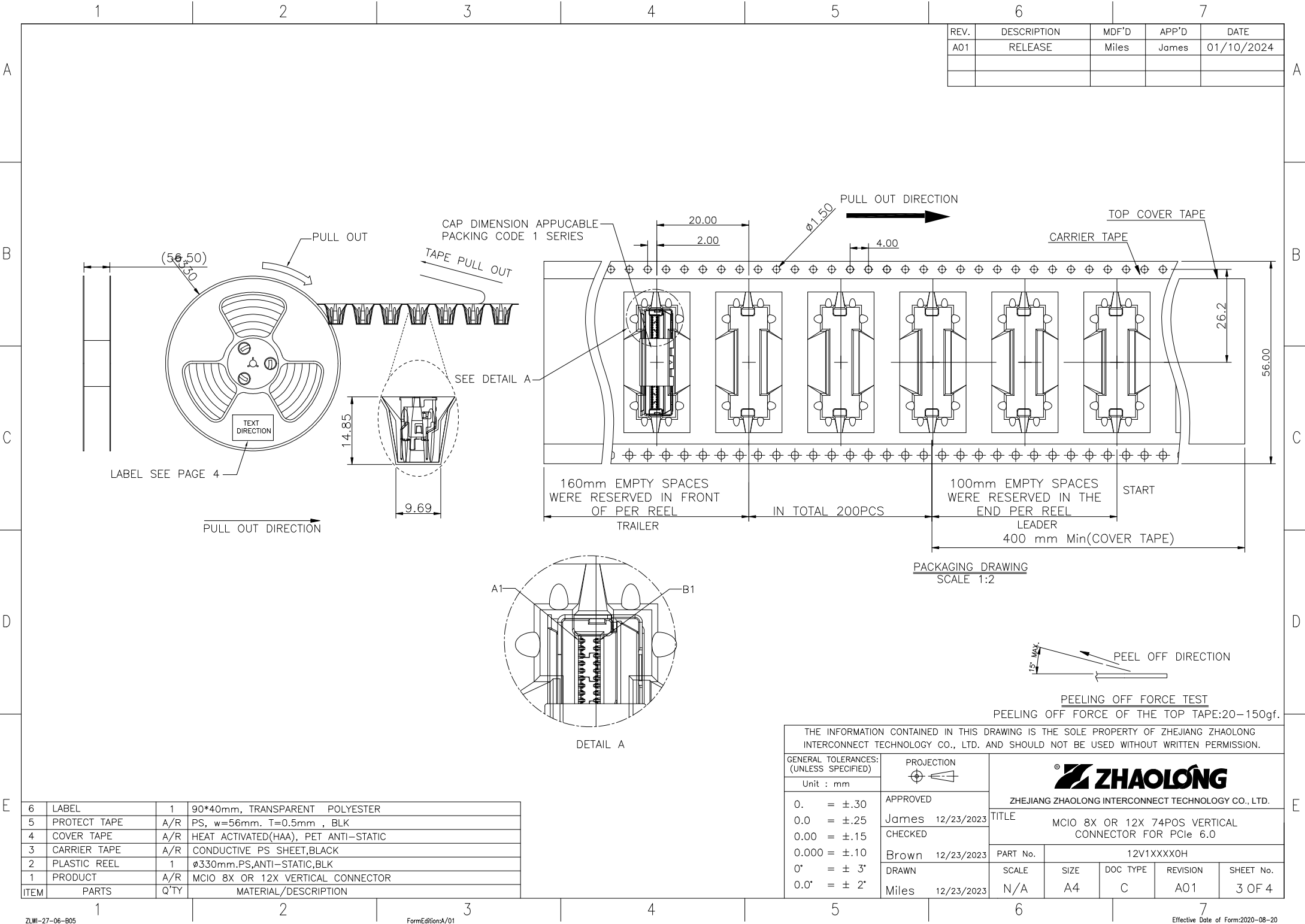


RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE ±0.05



PIN ASSIGNMENTS

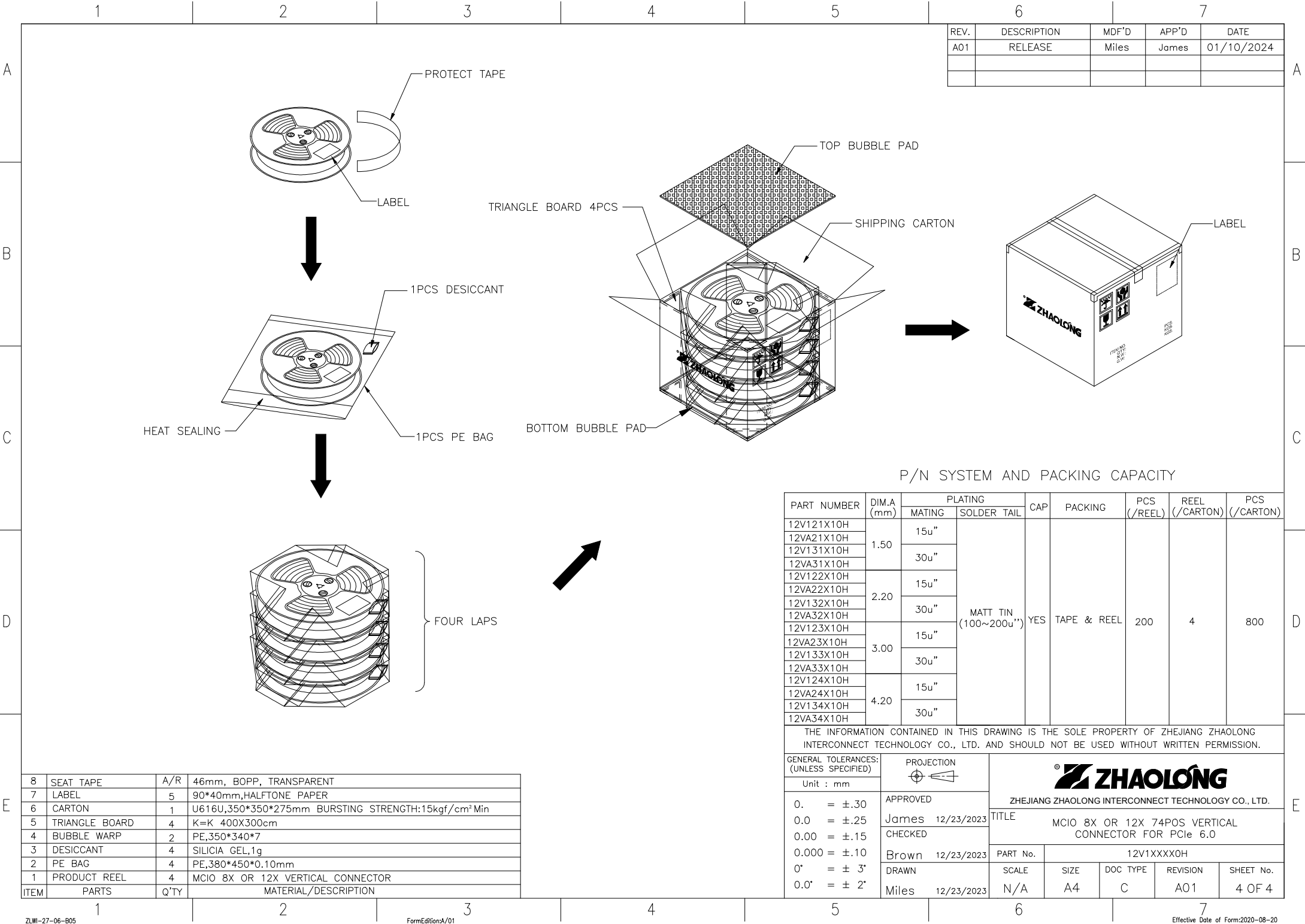
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0.0 = ±.25	James 12/23/2023						
0.00 = ±.15	CHECKED	PART No. 12V1XXXX0H					
0.000 = ±.10	Brown 12/23/2023						
0° = ± 3°	DRAWN	SCALE	SIZE	DOC TYPE	REVISION	SHEET No.	
0.0° = ± 2°	Miles 12/23/2023	N/A	A4	C	A01	2 OF 4	



REV.	DESCRIPTION	MDF'D	APP'D	DATE
A01	RELEASE	Miles	James	01/10/2024

6	LABEL	1	90*40mm, TRANSPARENT POLYESTER
5	PROTECT TAPE	A/R	PS, w=56mm. T=0.5mm , BLK
4	COVER TAPE	A/R	HEAT ACTIVATED(HAA), PET ANTI-STATIC
3	CARRIER TAPE	A/R	CONDUCTIVE PS SHEET,BLACK
2	PLASTIC REEL	1	ø330mm.PS,ANTI-STATIC,BLK
1	PRODUCT	A/R	MCIO 8X OR 12X VERTICAL CONNECTOR
ITEM	PARTS	Q'TY	MATERIAL/DESCRIPTION

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GENERAL TOLERANCES: (UNLESS SPECIFIED) Unit : mm		PROJECTION 	 ZHEJIANG ZHAOLONG INTERCONNECT TECHNOLOGY CO., LTD.				
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0.0 = ±.25	James 12/23/2023						
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0.000 = ±.10	Brown 12/23/2023						
0" = ± 3"	DRAWN	SCALE	SIZE	DOC TYPE	REVISION	SHEET No.	
0.0" = ± 2"	Miles 12/23/2023	N/A	A4	C	A01	3 OF 4	



REV.	DESCRIPTION	MDF'D	APP'D	DATE
A01	RELEASE	Miles	James	01/10/2024

P/N SYSTEM AND PACKING CAPACITY								
PART NUMBER	DIM.A (mm)	PLATING		CAP	PACKING	PCS (/REEL)	REEL (/CARTON)	PCS (/CARTON)
		MATING	SOLDER TAIL					
12V121X10H	1.50	15u"	MATT TIN (100~200u")	YES	TAPE & REEL	200	4	800
12VA21X10H		30u"						
12V131X10H								
12VA31X10H	2.20	15u"						
12V122X10H		30u"						
12VA22X10H								
12V132X10H	3.00	15u"						
12VA32X10H		30u"						
12V123X10H								
12VA23X10H	4.20	15u"						
12V133X10H		30u"						
12VA33X10H								
12V124X10H		15u"						
12VA24X10H		30u"						
12V134X10H								
12VA34X10H								

8	SEAT TAPE	A/R	46mm, BOPP, TRANSPARENT
7	LABEL	5	90*40mm,HALFTONE PAPER
6	CARTON	1	U616U,350*350*275mm BURSTING STRENGTH:15kgf/cm² Min
5	TRIANGLE BOARD	4	K=K 400X300cm
4	BUBBLE WARP	2	PE,350*340*7
3	DESICCANT	4	SILICIA GEL,1g
2	PE BAG	4	PE,380*450*0.10mm
1	PRODUCT REEL	4	MCIO 8X OR 12X VERTICAL CONNECTOR
ITEM	PARTS	Q'TY	MATERIAL/DESCRIPTION

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0" = ± 3"		DRAWN		SCALE	SIZE	DOC TYPE	REVISION	SHEET No.
0.0" = ± 2"		Miles 12/23/2023		N/A	A4	C	A01	4 OF 4