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ORIGINAL



REVISIONS

SYM	ECN No.	DESCRIPTION	DATE	BY
B	NE-17213	ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE	2017-08-07	Karen Su
C	NE-18163	UPDATE PACKING DRAWING	2018-08-07	Debby Hung
D	NE-19204	ADD TOP,SIDE,PTH,NPTH,CAP FOOLPROOF AND DELETE DIM. 0.06	2020-04-09	Juda Liu
E	NE-20177	ADD P/N PACKAGING OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20	2020-12-09	Juda Liu
F	NE-21222	ADD TAIL LENGTH OPTION 1.60 & 3.60 MM	2021-11-30	Karen Su
A1	NE-23075	ADDED "UL CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46	2023-03-30	Bruce Huang
B1	NE-23318	CORRECT PACKAGE INFORMATION	2023-11-13	Bruce Huang

NOTE:

1. MATERIAL

INSULATOR: HIGH TEMP. THERMOPLASTIC, OPTIONS, UL 94V-0, COLOR OPTIONS
PLASTIC UL CERTIFICATION: E106764

CONTACT MATERIAL: HIGH PERFORMANCE COPPER ALLOY.

BOARDLOCK: COPPER ALLOY.

2.FINISH: CONTACT: SELECTIVE PLATING. ;

SOLDERING AREA: MATTE TIN 100 μ MIN. OR GOLD PLATING;

UNDER PLATING: NICKEL PLATING 50 μ THICKNESS MIN. OVERALL.

BOARDLOCK: MATTE TIN 100 μ MIN. PLATING;

UNDER PLATING: NICKEL PLATING 50 μ THICKNESS MIN. OVERALL.

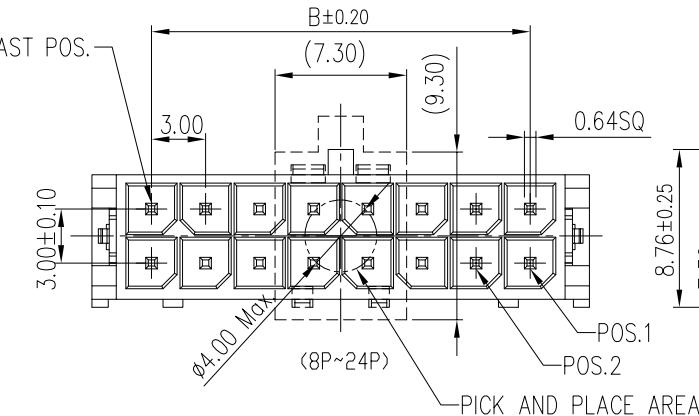
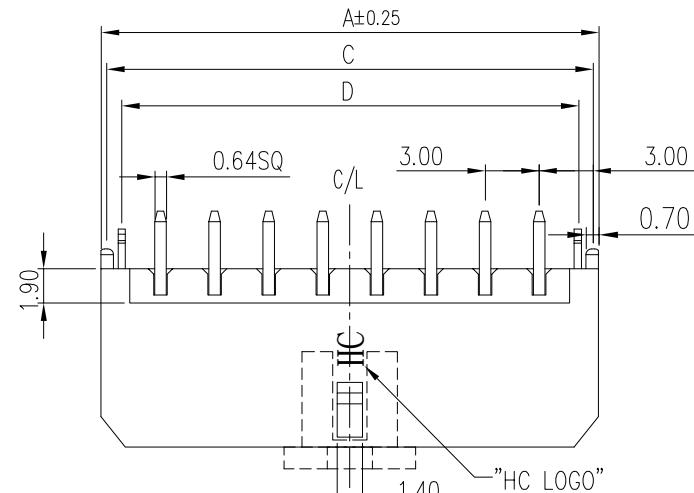
4. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU & 2015/863/EU FOR RoHS COMPLIANT. AND PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.

5.PACKING MUST BE PER Amphenol PACKING SPECIFICATION

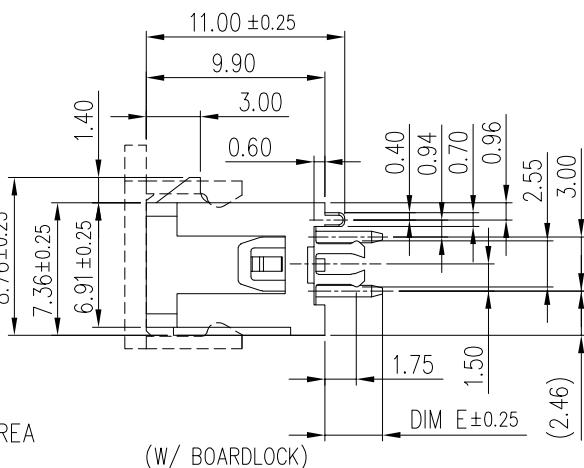
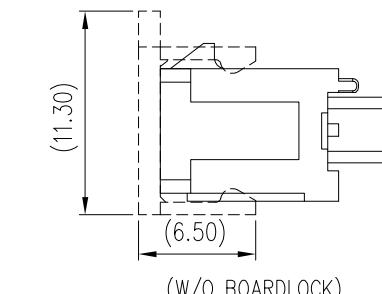
6.TO ENSURE CURRENT RATING CAPABILITY, AMPHENOL HIGH CURRENT PART NUMBERS IN THE CHART ARE RECOMMENDED.
(G88MPH CABLE HOUSING SERIES WITH G88MPC CABLE TERMINAL SERIES)

7. PRODUCT SPECIFICATION REFER TO : PS-7528.

8. TEST SUMMARY REFER TO : TS-7528-001.



POS	A	B	C	D	POS	A	B	C	D
02	6.60		6.00	4.3	14	24.60	18.00	24.00	22.3
04	9.60	3.00	9.00	7.3	16	27.60	21.00	27.00	25.3
06	12.60	6.00	12.00	10.3	18	30.60	24.00	30.00	28.3
08	15.60	9.00	15.00	13.3	20	33.60	27.00	33.00	31.3
10	18.60	12.00	18.00	16.3	22	36.60	30.00	36.00	34.3
12	21.60	15.00	21.00	19.3	24	39.60	33.00	39.00	37.3



PART NO. G88MPXX1X2XXXREU

No. OF CIRCUIT

0:100 μ MATTE TIN PLATING (OVERALL)

1:GOLD FLASH (OVERALL)

2:15 μ GOLD PLATING/100 μ MATTE TIN

3:30 μ GOLD PLATING/100 μ MATTE TIN

INSULATOR

0: LCP (BLACK) ,DIM E=2.10

1: LCP (NATURAL) ,DIM E=2.10

2: LCP (NATURAL) ,DIM E=2.60

3: LCP (NATURAL) ,DIM E=1.60

4: LCP (BLACK) ,DIM E=1.60

5: LCP (BLACK) ,DIM E=3.60

6: LCP (NATURAL) ,DIM E=3.60

7: LCP (NATURAL) ,DIM E=3.20

8: LCP (BLACK) ,DIM E=3.20

9: LCP (BLACK) ,DIM E=2.60

VARIATION CODE

NONE: NO CLIPPING SPACE

(PACKAGING DRAWING FOR NO-CLIPPING SPACE,
PIN LENGTH(DIM E) = 1.6, 2.1, 2.6, 3.2,
PLEASE REFER TO 4/6)

(PACKAGING DRAWING FOR NO-CLIPPING SPACE,
PIN LENGTH(DIM E) = 3.6,
PLEASE REFER TO 5/6)

1: FOR CLIPPING SPACE

(PACKAGING DRAWING PLEASE REFER TO 6/6)

BOARD MOUNT / CAP

C: WITH BOARDLOCK / WITH CAP

D: WITHOUT BOARDLOCK / WITH CAP

1: WITH BOARDLOCK / WITHOUT CAP

2: WITHOUT BOARDLOCK / WITHOUT CAP

TOLERANCE	APPROVALS	DATE	TITLE		
X. X.X ± 0.30	DRAWN	Bruce Huang	G88MP SERIES MICRO POWER	PLUS, WAFER 3.00 MM PITCH	
X.XX ± 0.20	CHECKED	Joseph Jiang	STRAIGHT DIP, W/BLOCK	(T&R PACKING)	
X.XXX ± 0.10	APPROVED	Roger Tsai			
ANGULAR $\pm 1^\circ$	DWG TYPE	CUST DWG	PROJECT CODE	PHD	
UNLESS OTHERWISE SPECIFIED			UNIT	mm	A3
			SCALE	NA	SHEET 1 OF 6
			DWG No.	G88MPXX1X2XXXREU	REV. B1

Amphenol®

Amphenol Corporation
Amphenol Taiwan Corporation

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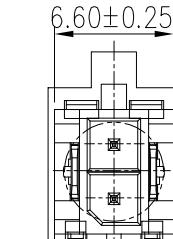
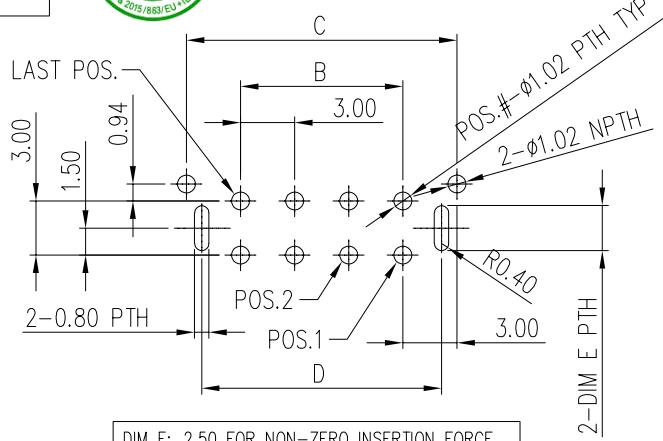
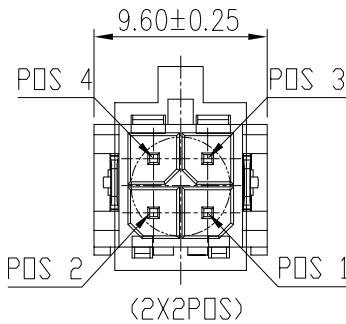
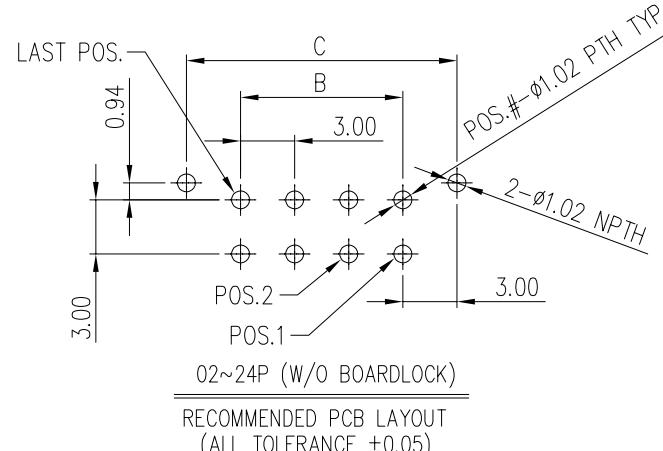
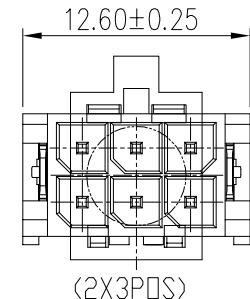
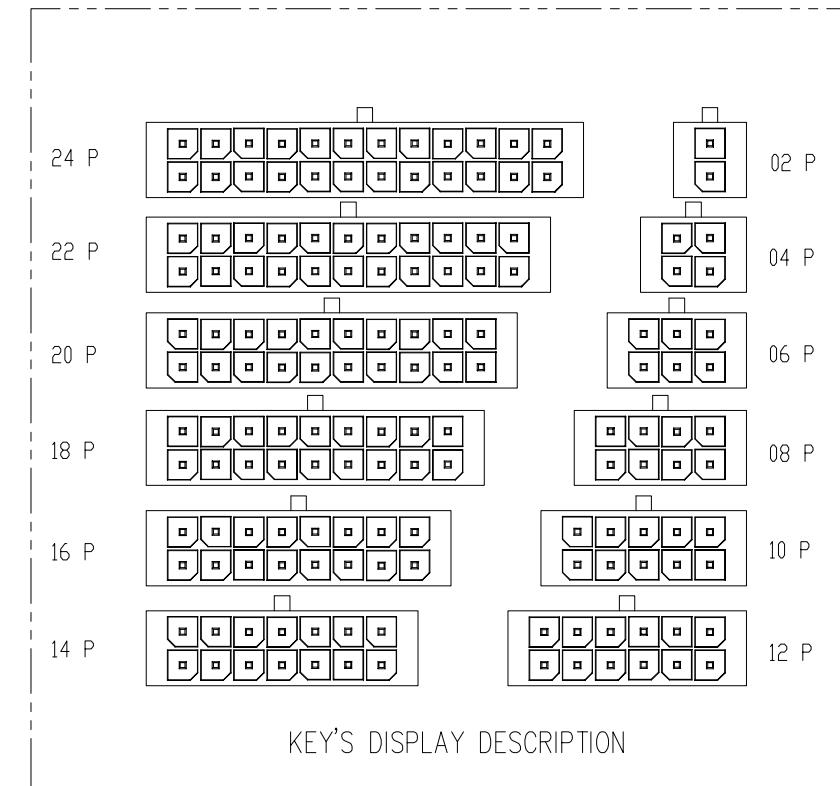


ORIGINAL



REVISIONS

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D	NE-19204	ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND DELETE DIM. 0.06	2020-04-09	Juda Liu
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F	NE-21222	ADD TAIL LENGTH OPTION 1.60 & 3.60 MM	2021-11-30	Karen Su
A1	NE-23075	ADDED "UI CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46	2023-03-30	Bruce Huang
B1	NE-23318	CORRECT PACKAGE INFORMATION	2023-11-13	Bruce Huang

(2X1POS)RECOMMENDED PCB LAYOUT
(ALL TOLERANCE ± 0.05)(2X2POS)RECOMMENDED PCB LAYOUT
(ALL TOLERANCE ± 0.05)(2X3POS)

TOLERANCE	APPROVALS	DATE	TITLE			PART No.	REV.
X. XX ± 0.30	DRAWN Bruce Huang	2023-11-13	G88MP SERIES MICRO POWER	PLATE, WAFER	3.00 MM PITCH	G88MPXX1X2XXXREU	
X.XX ± 0.20	CHECKED Joseph Jiang	2023-11-13	PLUS, WAFER	3.00 MM PITCH	STRAIGHT DIP, W/BLOCK		
X.XXX ± 0.10	APPROVED Roger Tsai	2023-11-13	(T&R PACKING)				
ANGULAR $\pm 1^\circ$							
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE PHD	UNIT mm	SIZE A3			
			SCALE NA	SHEET 2 OF 6		DWG No. G88MPXX1X2XXXREU	REV. B1

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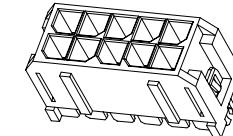
ORIGINAL



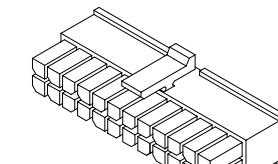
REVISIONS

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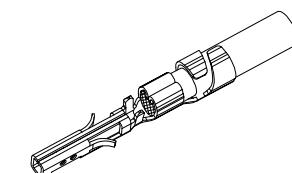
POS.	BOARD-MOUNT P/N	CABLE HOUSING P/N	CABLE TERMINAL P/N	AWG NO.	PLATING OPTIONS
02	G88MP021X2XXXREU	G88MPH0222CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
04	G88MP041X2XXXREU	G88MPH0422CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
06	G88MP061X2XXXREU	G88MPH0622CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
08	G88MP081X2XXXREU	G88MPH0822CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
10	G88MP101X2XXXREU	G88MPH1022CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
12	G88MP121X2XXXREU	G88MPH1222CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
14	G88MP141X2XXXREU	G88MPH1422CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
16	G88MP161X2XXXREU	G88MPH1622CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
18	G88MP181X2XXXREU	G88MPH1822CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
20	G88MP201X2XXXREU	G88MPH2022CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
22	G88MP221X2XXXREU	G88MPH2222CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD
24	G88MP241X2XXXREU	G88MPH2422CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100 μ " ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15 μ " GOLD ; 3: 30 μ " GOLD



AMPHENOL BOARD-MOUNT



AMPHENOL CABLE HOUSING



AMPHENOL CABLE TERMINAL

NOTE:

TO ENSURE CURRENT RATING CAPABILITY, AMPHENOL HIGH CURRENT PART NUMBERS IN THE CHART ARE RECOMMENDED.

(G88MPH CABLE HOUSING SERIES WITH G88MPC CABLE TERMINAL SERIES)

TOLERANCE	APPROVALS	DATE	TITLE			Amphenol®		
X. X.X ± 0.30	DRAWN Bruce Huang	2023-11-13						
X.XX ± 0.20	CHECKED Joseph Jiang	2023-11-13						
X.XXX ± 0.10	APPROVED Roger Tsai	2023-11-13						
ANGULAR $\pm 1^\circ$	DWG TYPE CUST DWG	2023-11-13	UNIT mm	SIZE A3	PART No. G88MPXX1X2XXXREU			
UNLESS OTHERWISE SPECIFIED	PROJECT CODE PHD		SCALE NA	SHEET 3 OF 6	DWG No. G88MPXX1X2XXXREU	REV. B1		

1 2 3 4 5 6 7 8

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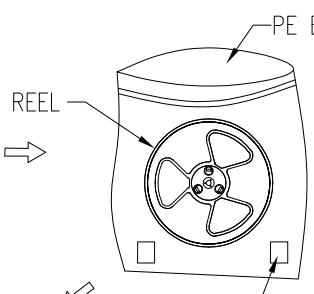
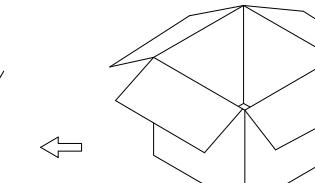
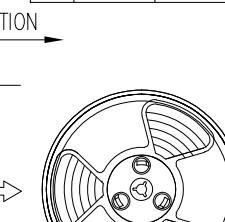
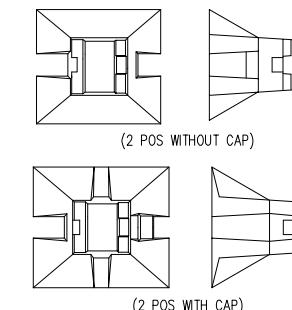
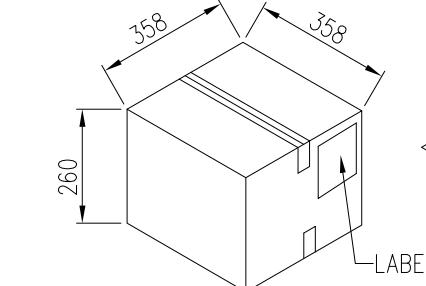
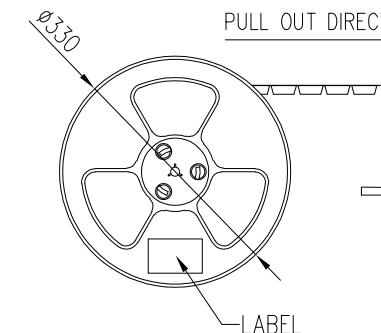
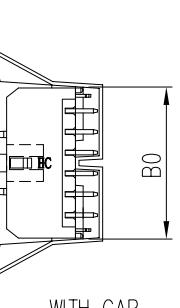
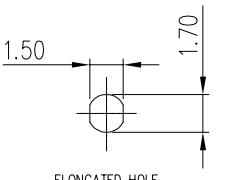
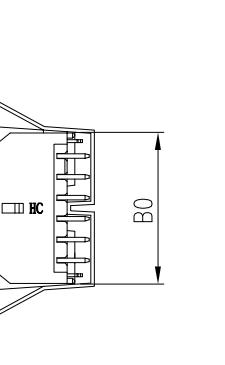
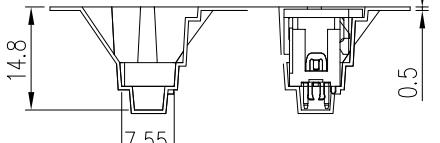
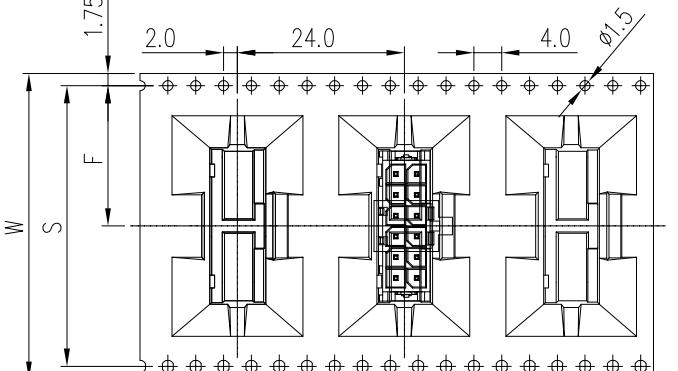
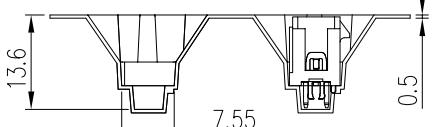
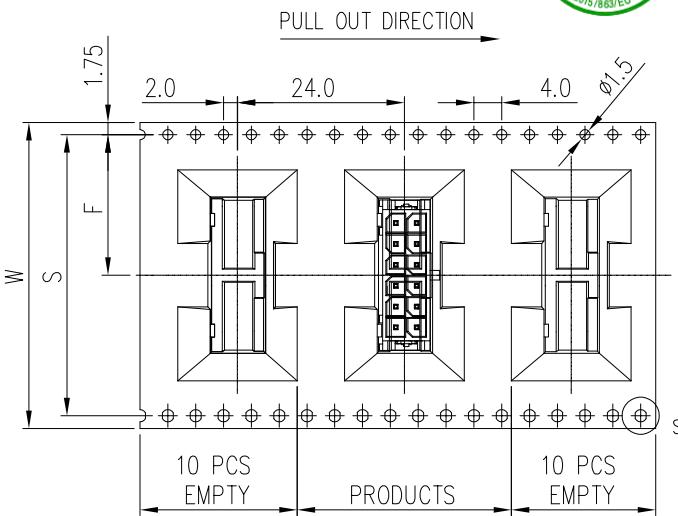


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F	NE-21222	ADD TAIL LENGTH OPTION 1.60 & 3.60 MM	2021-11-30	Karen Su
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B1	NE-23318	CORRECT PACKAGE INFORMATION	2023-11-13	Bruce Huang



FOR PIN LENGTH(DIM E) = 1.6, 2.1, 2.6, 3.2, NO-CLIPPING SPACE							
PCS REEL	REELS CARTON	QUANTITY (PCS)	B0	F	S	W	POS.
150	6	900	6.85	14.2	28.4	32.0	02
150	4	600	9.85				04
150	4	600	12.85				06
150	4	600	15.85	20.2	40.4	44.0	08
150	4	600	18.85				10
150	4	600	21.85				12
150	3	450	24.85				14
150	3	450	27.85				16
150	3	450	30.85				18
150	3	450	33.85	34.2	68.4	72.0	20
150	3	450	36.85				22
150	3	450	39.85				24

TOLERANCE	APPROVALS	DATE	TITLE			PART No.	REV.
X. XX ± 0.30	DRAWN Bruce Huang	2023-11-13	G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)			Amphenol [®]	
X.XX ± 0.20	CHECKED Joseph Jiang	2023-11-13				Amphenol Corporation	
X.XXX ± 0.10	APPROVED Roger Tsai	2023-11-13				Amphenol Taiwan Corporation	
ANGULAR $\pm 1^\circ$			UNIT	mm	A3		
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE PHD	SCALE	NA	SHEET 4 OF 6	DWG No. G88MPXX1X2XXXREU	REV. B1

F

NOTE:

- MATERIAL : BLACK POLYSTYRENE ALLOY
- ALL DIMENSIONS MEET EIA-481-D REQUIREMENTS.
- THICKNESS : 0.50 ± 0.05 mm.

1 2 3 4 5 6 7 8

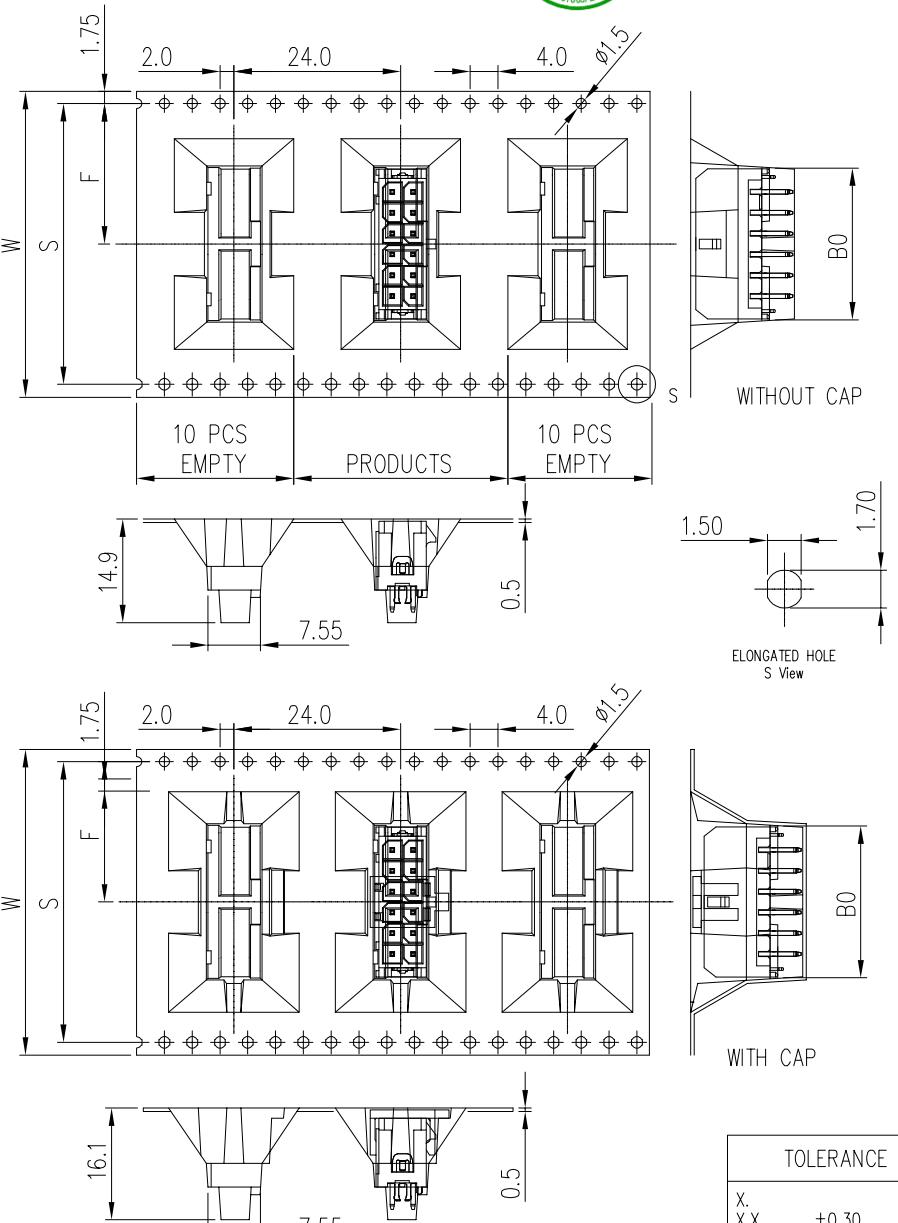
1 2 3 4 5 6 7 8

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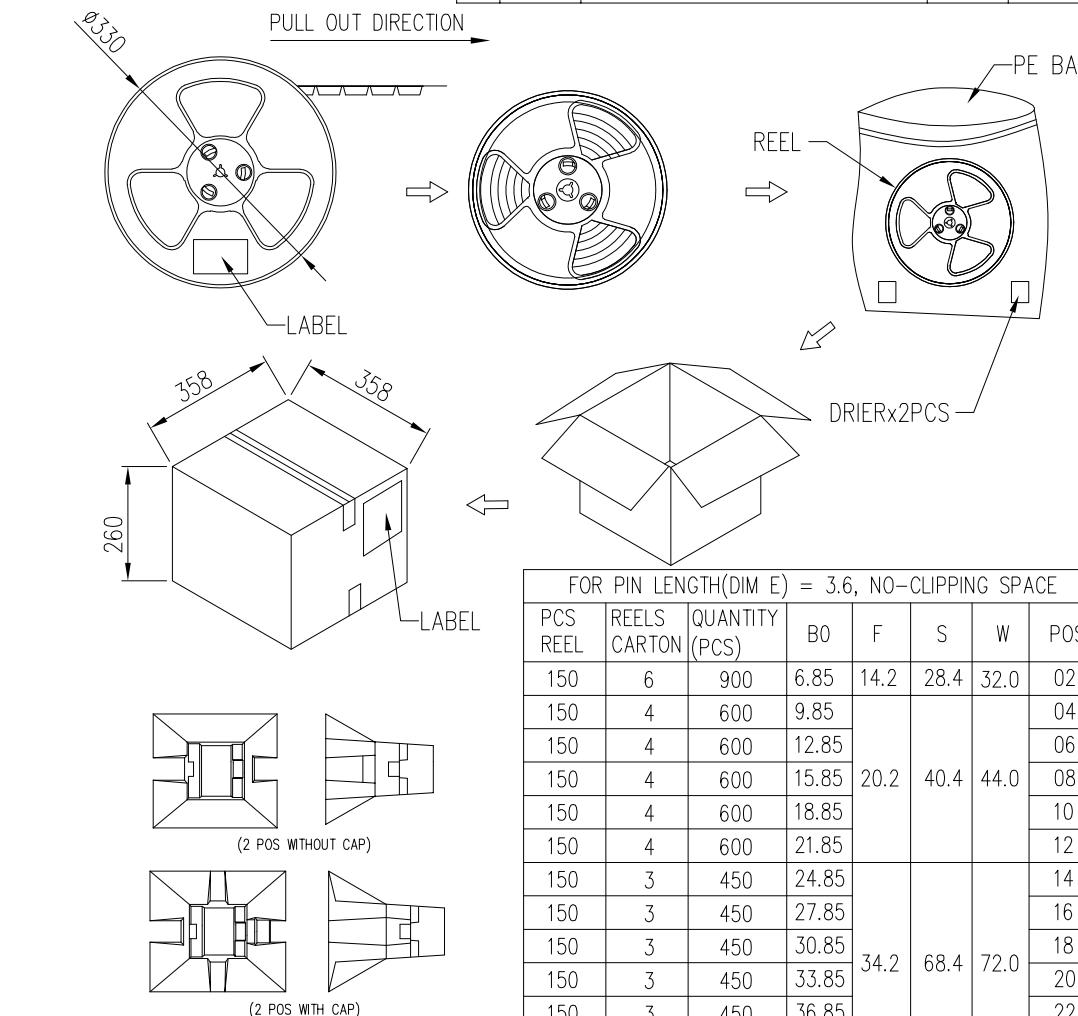


ORIGINAL



NOTE:

1. MATERIAL : BLACK POLYSTYRENE ALLOY
2. ALL DIMENSIONS MEET EIA-481-D REQUIREMENTS.
3. THICKNESS : 0.50 ± 0.05 mm.



FOR PIN LENGTH(DIM E) = 3.6, NO-CLIPPING SPACE							
PCS REEL	REELS CARTON	QUANTITY (PCS)	B0	F	S	W	POS.
150	6	900	6.85	14.2	28.4	32.0	02
150	4	600	9.85				04
150	4	600	12.85				06
150	4	600	15.85				08
150	4	600	18.85				10
150	4	600	21.85				12
150	3	450	24.85				14
150	3	450	27.85				16
150	3	450	30.85				18
150	3	450	33.85				20
150	3	450	36.85				22
150	3	450	39.85				24
				20.2	40.4	44.0	
					34.2	68.4	72.0

TOLERANCE	APPROVALS	DATE	TITLE			PART NO.	REV.
X. X.X ± 0.30	DRAWN Bruce Huang	2023-11-13	G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)			G88MPXX1X2XXXREU	
X.XX ± 0.20	CHECKED Joseph Jiang	2023-11-13					
X.XXX ± 0.10	APPROVED Roger Tsai	2023-11-13					
ANGULAR $\pm 1^\circ$							
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE PHD	UNIT mm	SIZE A3			
			SCALE NA	SHEET 5 OF 6			
					DWG NO. G88MPXX1X2XXXREU		REV. B1

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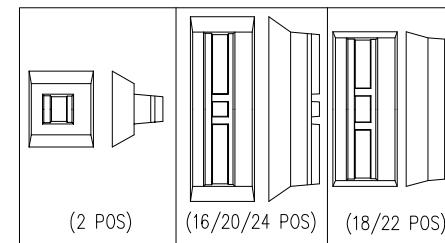
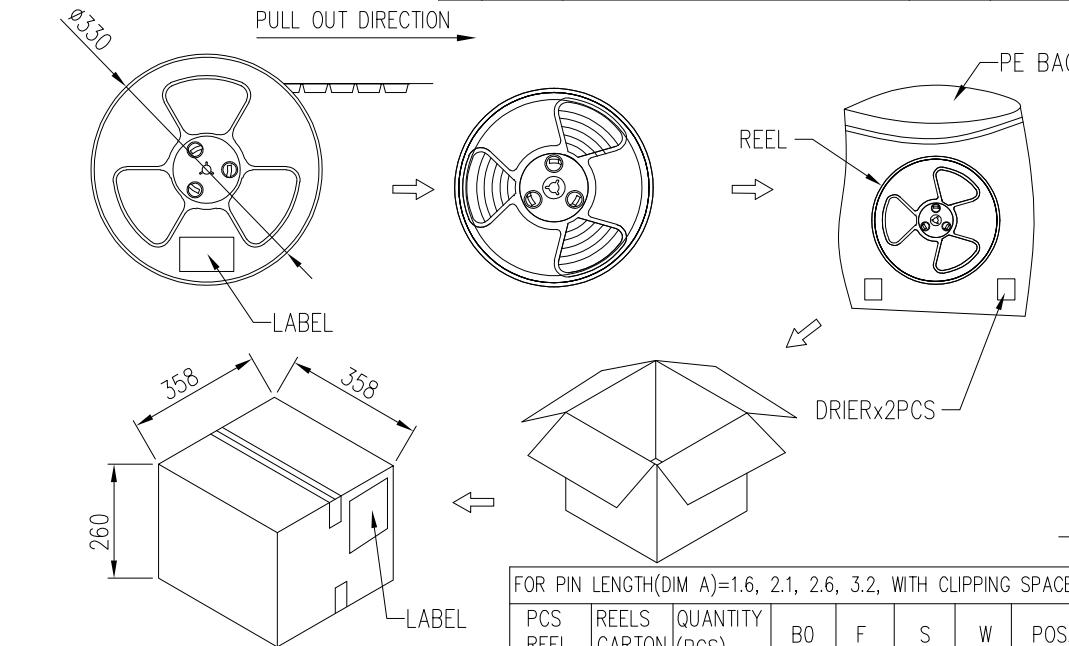
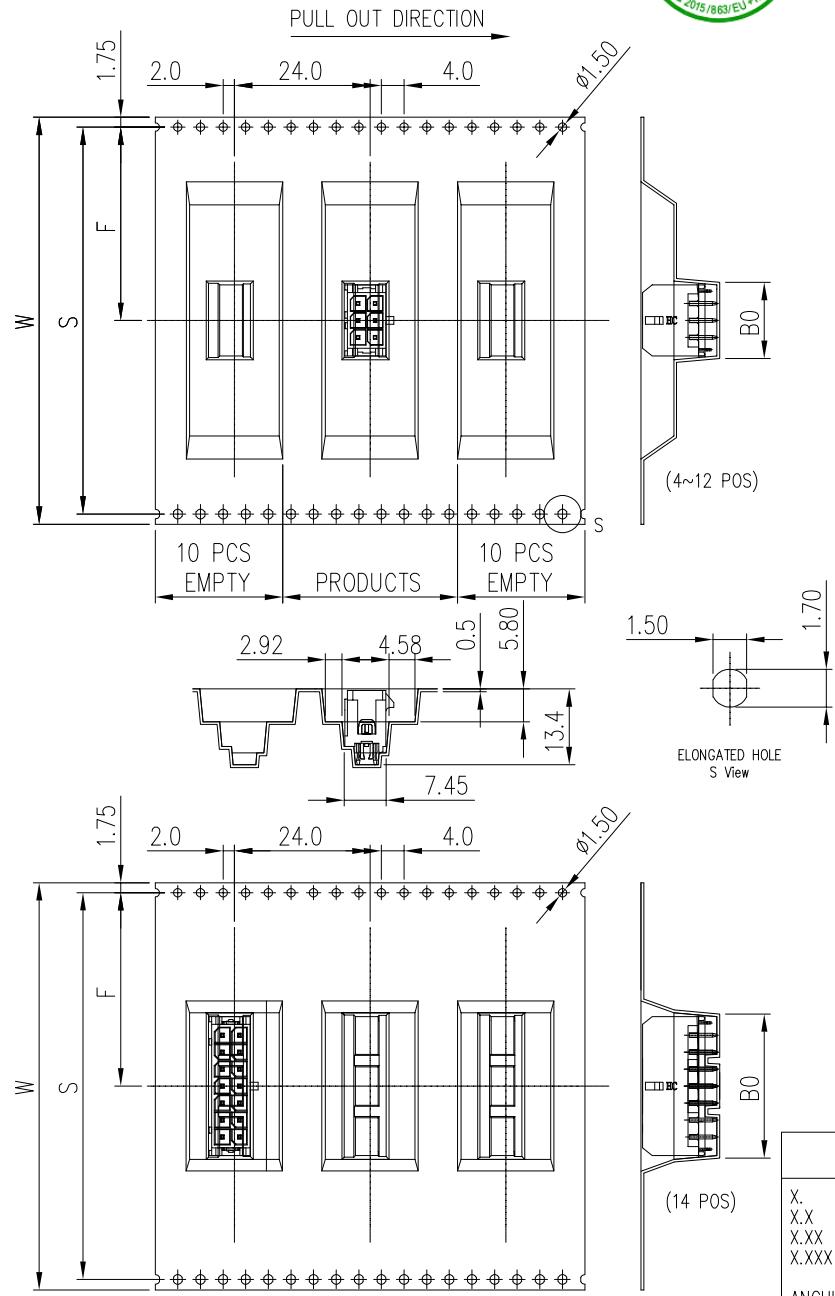
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.



ORIGINAL



REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
B	NE-17213	ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE	2017-08-07	Karen Su
C	NE-18163	UPDATE PACKING DRAWING	2018-08-07	Debby Hung
D	NE-19204	ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND DELETE DIM. 0.06	2020-04-09	Juda Liu
E	NE-20177	ADD P/N PACKAGINR OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20	2020-12-09	Juda Liu
F	NE-21222	ADD TAIL LENGTH OPTION 1.60 & 3.60 MM	2021-11-30	Karen Su
A1	NE-23075	ADDED "U" CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46	2023-03-30	Bruce Huang
B1	NE-23318	CORRECT PACKAGE INFORMATION	2023-11-13	Bruce Huang



NOTE:

- MATERIAL : BLACK POLYSTYRENE ALLOY
- ALL DIMENSIONS MEET EIA-481-D REQUIREMENTS.
- THICKNESS : 0.50 ± 0.05 mm.

TOLERANCE	APPROVALS	DATE	TITLE		PART NO.	
X. X.X ± 0.30	DRAWN Bruce Huang	2023-11-13	G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)		G88MPXX1X2XXXREU	
X.XX ± 0.20	CHECKED Joseph Jiang	2023-11-13				
X.XXX ± 0.10	APPROVED Roger Tsai	2023-11-13				
ANGULAR $\pm 1^\circ$			UNIT mm	SIZE A3		
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE PHD	SCALE NA	SHEET 6 OF 6	DWG NO. G88MPXX1X2XXXREU	REV. B1