

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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
A	NE-17175	RELEASE TO PRODUCTION	2017-07-11
B	NE-17213	ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE	2017-08-07
C	NE-18163	UPDATE PACKING DRAWING	2018-08-07
D	NE-19204	ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND DELETE DIM. 0.06	2020-04-09
E	NE-20177	ADD P/N PACKAGINR OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20	2020-12-09
F	NE-21222	ADD TAIL LENGTH OPTION 1.60 & 3.60 MM	2021-11-30

NOTE:

1.MATERIAL

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

CONTACT MATERIAL: HIGH PERFORMANCE COPPER ALLOY.

BOARDLOCK: COPPER ALLOY.

2.FINISH:

CONTACT: SELECTIVE PLATING. ;

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

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

BOARDLOCK:

MATTE TIN 100u" 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.

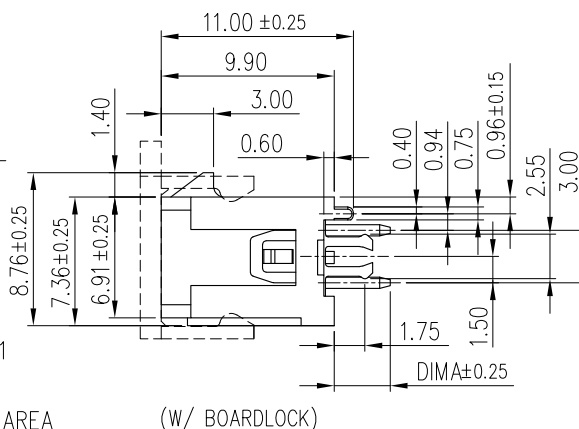
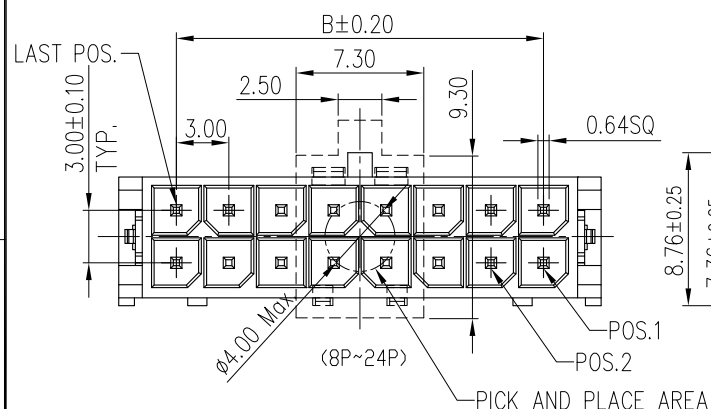
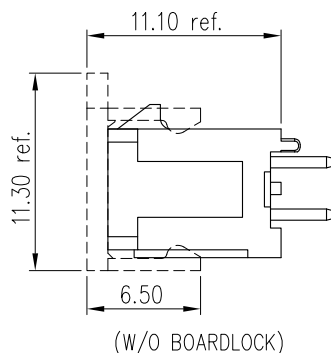
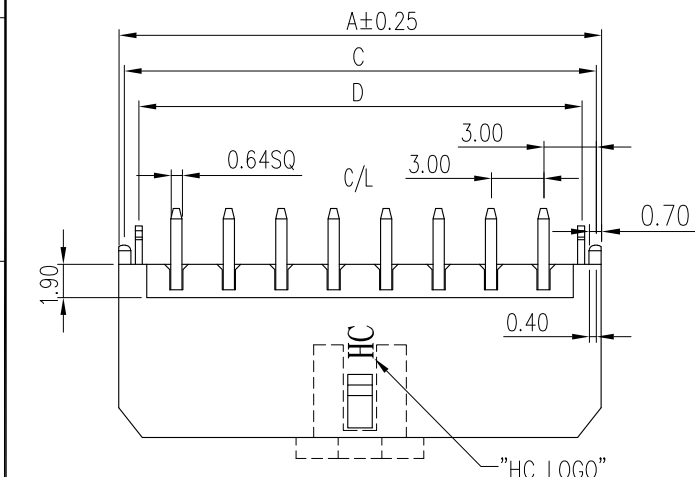
5.PACKING MUST BE PER Amphenol PACKING SPECIFICATION

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.



PART NO. G88MPXX1X2XXXREU	
No. OF CIRCUIT	VARIATION CODE
CONTACT & SOLDERING FINISH	NONE: NO CLIPPING SPACE (REFER TO PAGE.4)
0:100u" MATTE TIN PLATING (OVERALL)	1: FOR CLIPPING SPACE (WITHOUT CAP) (REFER PAGE.5)
1:GOLD FLASH (OVERALL)	
2:15u" GOLD PLATING/100u" MATTE TIN	
3:30u" GOLD PLATING/100u" MATTE TIN	
INSULATOR	BOARD MOUNT / CAP
0: LCP (BLACK) ,DIM A=2.10	C: WITH BOARDLOCK / WITH CAP
1: LCP (NATURAL) ,DIM A=2.10	D: WITHOUT BOARDLOCK / WITH CAP
2: LCP (NATURAL) ,DIM A=2.60	1: WITH BOARDLOCK / WITHOUT CAP
3: LCP (NATURAL) ,DIM A=1.60	2: WITHOUT BOARDLOCK / WITHOUT CAP
4: LCP (BLACK) ,DIM A=1.60	
5: LCP (BLACK) ,DIM A=3.60	
6: LCP (NATURAL) ,DIM A=3.60	
7: LCP (NATURAL) ,DIM A=3.20	
8: LCP (BLACK) ,DIM A=3.20	
9: LCP (BLACK) ,DIM A=2.60	

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

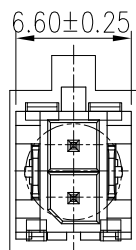
TOLERANCE		APPROVALS		DATE		TITLE			G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)			Amphenol [®] Amphenol Corporation Amphenol Taiwan Corporation												
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DRAWN		Karen Su		2021-11-30					UNIT mm			SIZE A3			PART No. G88MPXX1X2XXXREU							
		CHECKED		Aqua Chou		2021-11-30																		
		APPROVED		Roger Tsai		2021-11-30																		
ANGULAR ±1°		DWG TYPE		CUST DWG		PROJECT CODE		PHD					SCALE NA			SHEET 1 OF 5			DWG No. G88MPXX1X2XXXREU			REV. F		
UNLESS OTHERWISE SPECIFIED																								

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

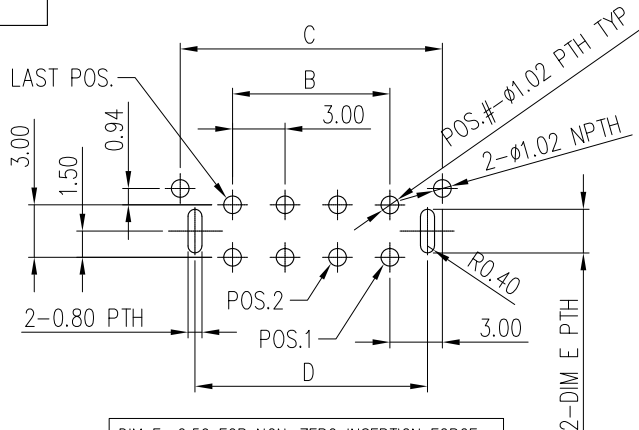
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

ORIGINAL

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-17175	RELEASE TO PRODUCTION	2017-07-11	Karen Su
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 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



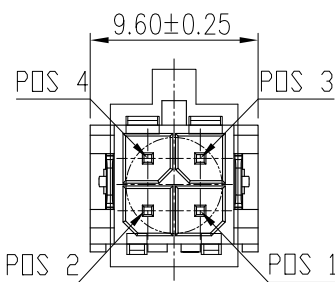
(2X1POS)



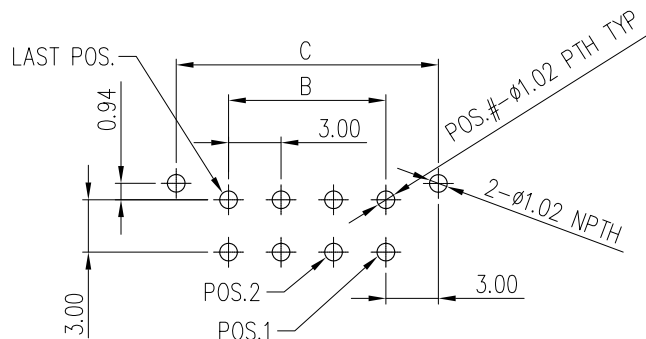
DIM E: 2.50 FOR NON-ZERO INSERTION FORCE
DIM E: 3.00 FOR ZERO INSERTION FORCE

02~24P (W/BOARDLOCK FOR PCB t=1.60)

RECOMMENDED PCB LAYOUT
(ALL TOLERANCE ±0.05)

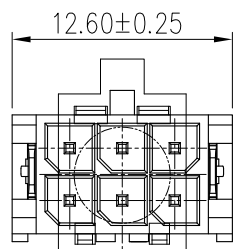


(2X2POS)

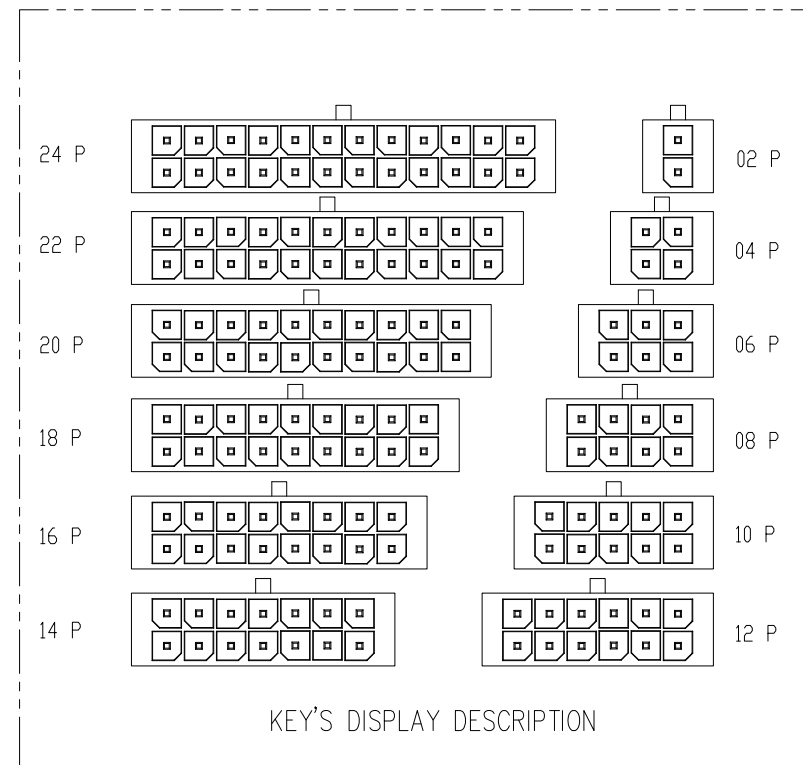


02~24P (W/O BOARDLOCK)

RECOMMENDED PCB LAYOUT
(ALL TOLERANCE ±0.05)



(2X3POS)



TOLERANCE		APPROVALS		DATE	TITLE G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X.		DRAWN	Karen Su	2021-11-30					
X.X	±0.30	CHECKED	Aqua Chou	2021-11-30					
X.XX	±0.20	APPROVED	Roger Tsai	2021-11-30					
X.XXX	±0.10								
ANGULAR	±1°								
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	PHD	UNIT	mm	SIZE	A3
						SCALE	NA	SHEET	2 OF 5
								PART No.	G88MPXX1X2XXXREU
								DWG No.	G88MPXX1X2XXXREU
								REV.	F

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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.

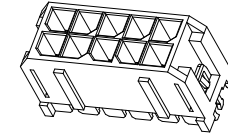


ORIGINAL

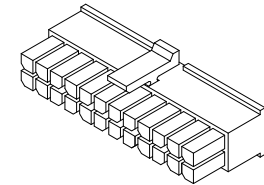


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-17175	RELEASE TO PRODUCTION	2017-07-11	Karen Su
B	NE-17213	ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE	2017-08-07	Karen Su
C	NE-18163	UPDATE PACKING DRAWING	2018-08-07	Debby Hung
D	NE-19204	ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND 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

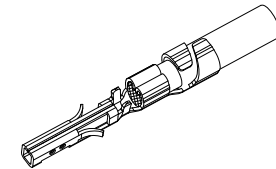
POS.	BOARD-MOUNT P/N	CABLE HOUSING P/N	CABLE TERMINAL P/N	AWG NO.	PLATING OPTIONS
02	G88MP021X2XXXREU	G88MPH0222CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100u" ; 1: FLASH GOLD
			G88MPC0X32CEU	AWG#20~30	2: 15u" GOLD ; 3: 30u" GOLD
04	G88MP041X2XXXREU	G88MPH0422CEU	G88MPC0232XCEU	AWG#16~18	0: TIN 100u" ; 1: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



AMPHENOL BOARD-MOUNT



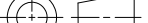
AMPHENOL CABLE HOUSING



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 X.XX ±0.20 X.XXX ±0.10	DRAWN Karen Su		2021-11-30		G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)			Amphenol Corporation Amphenol Taiwan Corporation			
	CHECKED Aqua Chou		2021-11-30								
	APPROVED Roger Tsai		2021-11-30								
ANGULAR ±1°							UNIT mm	SIZE A3	PART No. G88MPXX1X2XXXREU		
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE PHD			SCALE NA	SHEET 3 OF 5	DWG No. G88MPXX1X2XXXREU		REV. F

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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.



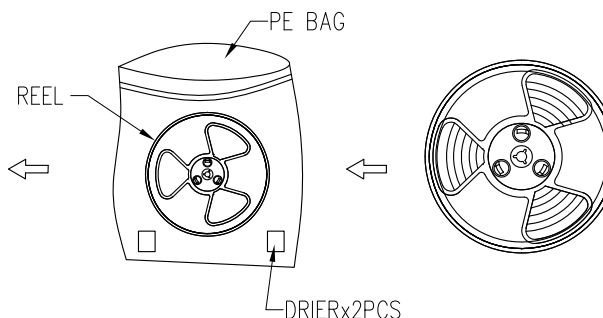
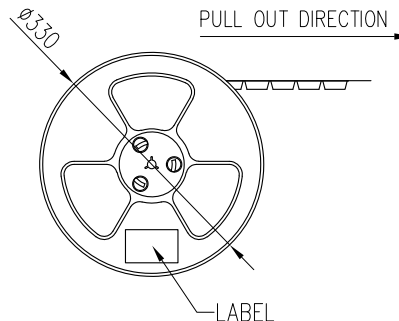
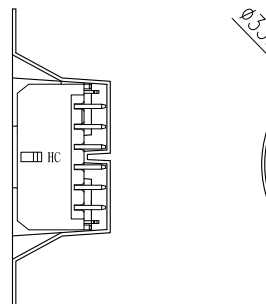
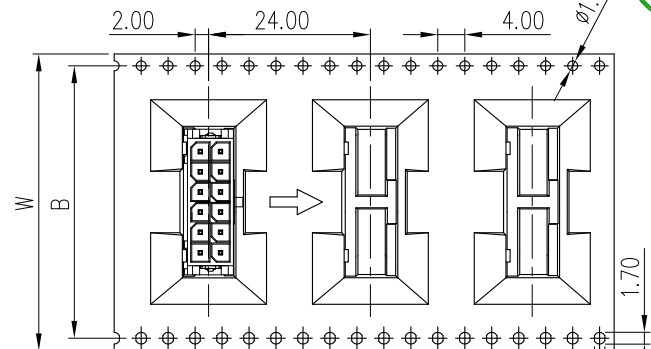
ORIGINAL



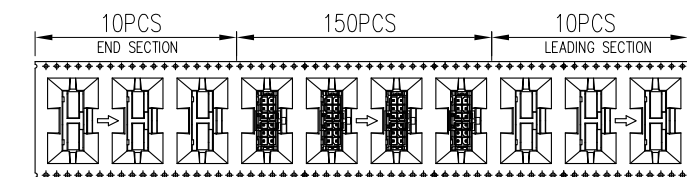
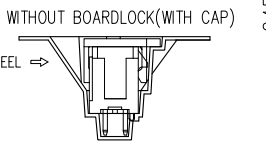
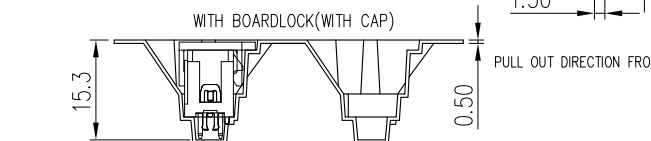
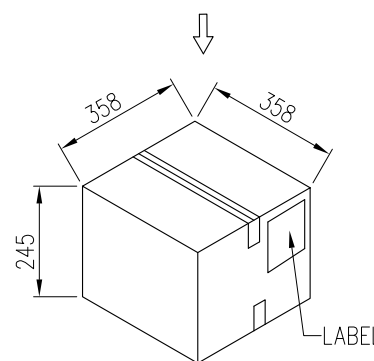
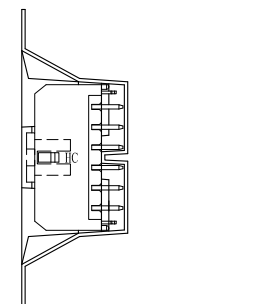
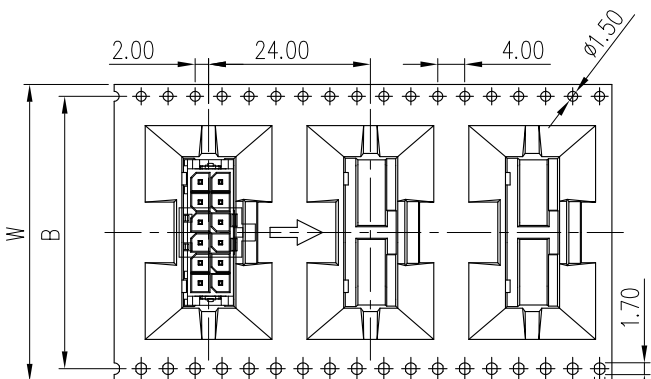
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-17175	RELEASE TO PRODUCTION	2017-07-11	Karen Su
B	NE-17213	ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE	2017-08-07	Karen Su
C	NE-18163	UPDATE PACKING DRAWING	2018-08-07	Debby Hung
D	NE-19204	ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND 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

NOTE:

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



P/N (NO CLIPPING SPACE)	W(mm)	B(mm)	PCS/REEL	PCS/CARTON
G88MP021X2XXREU	32	28.4	150	900
G88MP041X2XXREU				
G88MP061X2XXREU	44	40.4	150	600
G88MP081X2XXREU				
G88MP101X2XXREU				
G88MP121X2XXREU				
G88MP141X2XXREU				
G88MP161X2XXREU				
G88MP181X2XXREU	72	68.4	150	450
G88MP201X2XXREU				
G88MP221X2XXREU				
G88MP241X2XXREU				



TOLERANCE	APPROVALS	DATE
X.	DRAWN Karen Su	2021-11-30
X.X	CHECKED Aqua Chou	2021-11-30
X.XX	APPROVED Roger Tsai	2021-11-30
X.XXX	DWG TYPE CUST DWG	PROJECT CODE PHD
ANGULAR $\pm 1^\circ$		
UNLESS OTHERWISE SPECIFIED		

TITLE G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)

UNIT	mm	SIZE	A3
SCALE	NA	SHEET	4 OF 5

PART No. G88MPXX1X2XXXREU	
DWG No. G88MPXX1X2XXXREU	REV. F

Amphenol[®]
Amphenol Corporation
Amphenol Taiwan Corporation

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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.

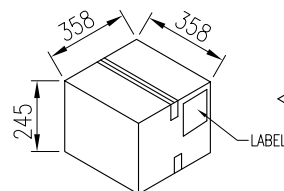
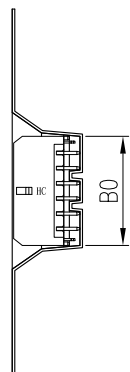
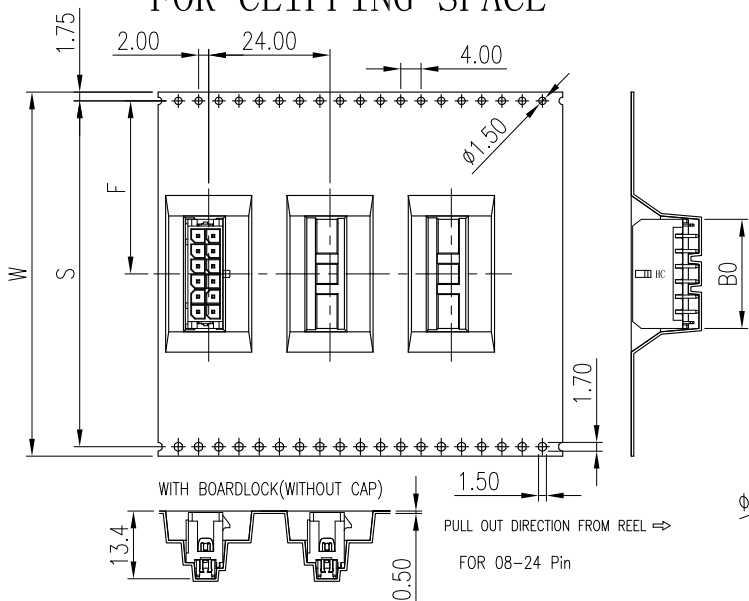


ORIGINAL

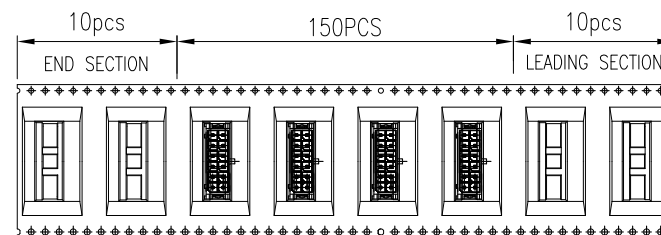
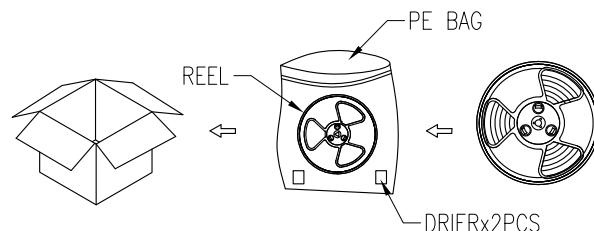
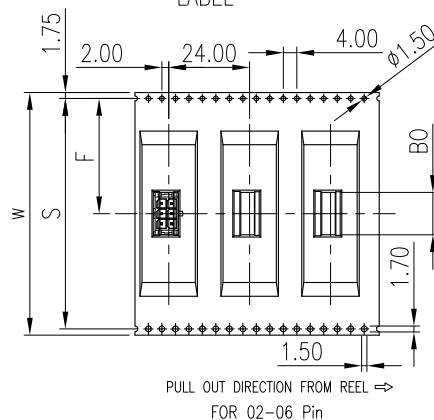
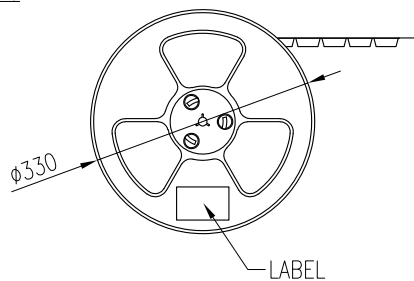


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-17175	RELEASE TO PRODUCTION	2017-07-11	Karen Su
B	NE-17213	ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE	2017-08-07	Karen Su
C	NE-18163	UPDATE PACKING DRAWING	2018-08-07	Debby Hung
D	NE-19204	ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND 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

FOR CLIPPING SPACE



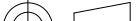
PULL OUT DIRECTION



NOTE:

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

PART NO. (FOR CLIPPING SPACE)	W	B0	S	F	PCS REEL	REELS CARTON	QUANTITY (PCS)
G88MP021X2XX1REU	32.0	6.60	28.4	14.2	150	6	900
G88MP041X2XX1REU		9.60			150	3	450
G88MP061X2XX1REU		12.60			150	3	450
G88MP081X2XX1REU		21.60			150	3	450
G88MP101X2XX1REU		18.60			150	3	450
G88MP121X2XX1REU	72.0	21.60	68.4	34.2	150	3	450
G88MP141X2XX1REU					150	3	450
G88MP161X2XX1REU		39.60			150	3	450
G88MP181X2XX1REU					150	3	450
G88MP201X2XX1REU					150	3	450
G88MP221X2XX1REU					150	3	450
G88MP241X2XX1REU					150	3	450

TOLERANCE		APPROVALS		DATE		TITLE			Amphenol [®]			
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DRAWN Karen Su		2021-11-30		G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)			Amphenol Corporation Amphenol Taiwan Corporation			
		CHECKED Aqua Chou		2021-11-30								
		APPROVED Roger Tsai		2021-11-30								
ANGULAR ±1°								UNIT mm	SIZE A3	PART No. G88MPXX1X2XXXREU		
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE PHD				SCALE NA	SHEET 5 OF 5	DWG No. G88MPXX1X2XXXREU		REV. F