

A diagram of a rectangular beam with three mounting holes. Red arrows point upwards from each hole, representing reaction forces. A red arrow points to the right along the bottom of the beam, representing an applied force. The text 'Mounting Holes' is written above the rightmost hole.

Figure 1 illustrates the dimensions and standard hole shape for a PCB. The main diagram shows a side view of a PCB with three holes. The total length is L . The distance between the first and second hole is E , and between the second and third is E . The total length between the first and third hole is $N \times P$. The distance from the first hole to the left edge is E , and from the third hole to the right edge is E . The hole diameter is P . The distance from the center of the first hole to the center of the second hole is Q . The distance from the center of the second hole to the center of the third hole is K . The distance from the center of the first hole to the left edge is G . The distance from the center of the third hole to the right edge is Y . The distance from the center of the first hole to the center of the second hole is $I-2X$. The distance from the center of the second hole to the center of the third hole is X .

The top view shows a hole with diameter A and a counterbore with diameter $A/2$ and depth 6.3 .

The cross-section shows a hole with diameter D and a counterbore with diameter d and depth h .

Standard hole shape

· Mounting Hole Change

Back Surface Counterbore (ZB)	Through Hole (VA)	Tapped Hole (T)	Counterbore Tapped Hole (ZT)

RoHS10

* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: **G-BMBF**) For ordering, see the Ordering Example.
 * For Q, G and K, specify 1, 2, 3, 4, 6, 8, 1N, 2N, 3N or 4N indicated before ().
 * Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.



Number of Circuits	Pitch (P) Standard Unit Price										Pitch (P) Configurable Unit Price															
	30x35 Sq.										50 Sq.		60 Sq.		30x35 Sq.										50 Sq.	
	BMB5	BMBSR	BMBF	BMBFM	BMBFR	BMBFS	BMBFC	BMBFL	BMBFLM	BMBFLR	BMBL	BMBSP	BMBSRP	BMBFP	BMBFRP	BMBFSP	BMBFLP	BMBFLMP	BMBFLRP							
1												-	-	-	-	-	-	-	-							
2																										
3																										
4																										
5											-															
6																										
7						-	-	-	-	-	-					-	-	-	-							
8						-	-	-	-	-	-					-	-	-	-							

A 3D perspective diagram of a rectangular cantilever beam. A red arrow points along the top surface of the beam, representing a distributed load. At the fixed end (left), a red arrow points upwards from the bottom surface, representing the reaction force. At the free end (right), two red arrows point upwards from the top surface, labeled 'Mounting Holes'.

Material of 60 Sq. is EN AW-6063 Equiv.

Mounting Hole Dimension	d	D	h	D ₁	d ₁	h ₁
M5	5.5	9.5	5.5	8	4.2	4.5
M6	6.6	11	6.5	9.5	5.1	5.5
M8	8.5	14	8.5	11	6.8	6.5

Thread
 JIS B0203 Rc(PT)
 JIS B0202 G(PF): ISO 228-1 Compatible
 ANSI/ASME B.1.20.1-1983(NPT)

• Mounting Hole Change

Back Surface Countersink (ZB)	Through Hole (HA)	Tapped Hole (T)	Countersink Tapped Hole (ZT)

RoHS10

By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex. **G-8MBBF**) For ordering, see the Ordering Example.

For O, G and K, specify 1, 2, 3, 4, 5, 6, 8, M3, M4, 11N, or 2N indicated before ().

Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.

When marked 7 or 8 Circuit is selected from 3Q, 5(M5) is not available for G or K.

Single Circuit is not available for Pitch Configurable Type.

Each end of a Circuit has an additional mounting hole at the midpoint of the overall length. 7 Circuit has an additional mounting hole at each midpoint of the 2 - 3 port pitch, and 5 - 6 port pitch from the left to the right. (Exceed 20 Gs)

For G and K of 20 Sp, Pitch Configurable type, M3, M4 or 5 (M5) are not selectable.

Ordering Example	Part Number			Q	G	K	P
	Type	Mounting Hole Change	Number of Circuits				
BMSF	T	5	- Q2	- G1	- K2		
BMSFLP	ZT	5	- Q2	- G3	- K3	- P50	
G-BMSFLP	ZT	5	- Q2	- G3	- K3	- P50	(G Thread)

Number of Circuits	Pitch (P) Standard				Unit Price			Pitch (P) Configurable				Unit Price	
	20 Sq.		30 Sq.		40 Sq.		60 Sq.	20 Sq.		30 Sq.		40 Sq.	
	BMSFC	BMSFCA	BMSF	BMSFA	BMSFL	BMSFLA	BMSFB	BMSFCP	BMSFCAP	BMSFP	BMSFAP	BMSFLP	BMSFLAP
1								-	-	-	-	-	-
2													
3													
4													
5							-						
6							-						
7							-						
8							-						