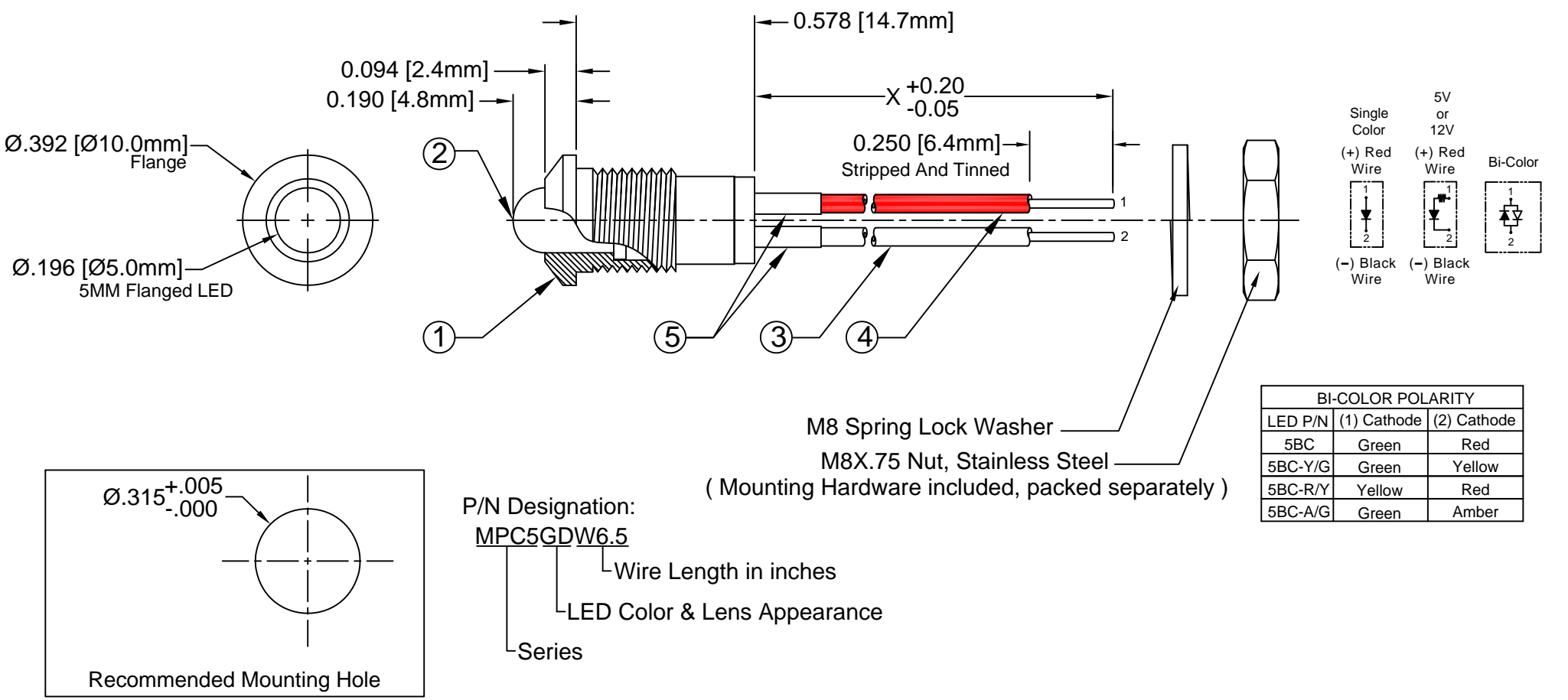


ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	MPC5	Chrome Panel Mount Holder, 5mm
2	1	5XX-F	T-1 3/4 (5mm) Flanged LED, P.2.
3	1	BWS24-1007-BK	24AWG Wire Lead U.L. 1007, Black
4	1	BWS24-1007-RD	24AWG Wire Lead U.L. 1007, Red
5	2	BST200-BK	Shrink Tubing, Black, 0.5" Cut Length

REV.	DESCRIPTION	DATE	APPROVED
C	Shrink Tubing Update. Change Length to 0.5"	11/12/07	M. C.
D	Added MPC5WC7.015WX.X Specs.	06/03/08	M. C.
E	Added MPC5XX5VWX.X Specs. and Updated .578 Dim.	06/24/08	M. C.
F	Added MPC5SRD5VWX.X Specs.	06/27/08	M. C.
G	Added MPC5SGDWX.X Specs and Removed 5V Specs.	10/06/09	T. Y.
H	Updated LED offering	05/03/12	T. Y.
J	Updated LED Optical Characteristics	09/15/15	J. C.



BI-COLOR POLARITY		
LED P/N	(1) Cathode	(2) Cathode
5BC	Green	Red
5BC-Y/G	Green	Yellow
5BC-R/Y	Yellow	Red
5BC-A/G	Green	Amber



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

REVERSE VOLTAGE	5V
REVERSE CURRENT (VR=5V)	100µA
OPERATING TEMPERATURE RANGE	-25°C ~ 85°C
STORAGE TEMPERATURE	-30°C ~ 100°C
LEAD SOLDERING TEMPERATURE (1/16" FROM BODY)	260°C for 5 Seconds

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02		 TITLE: STD METAL PANEL MOUNT INDICATORS W/ WIRES	
.XXX ± .010			
DESIGNED: David Green	DATE: 01/31/05	PART NO: MPC5XXWX.X	REVISION: J
CHECKED: T. Yin	DATE: 01/31/05	CAGE CODE : 32559	SHEET # 1 OF 4
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
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2 θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
						MAX	TYP	MAX	TYP	
MPC5BWCWX.X	GaN/SiC	430	BLUE	WATER CLEAR	25	4	4.5	25	20	5BWC-F
MPC5BWDWX.X	GaN/SiC	430	BLUE	DIFFUSED	25	4	4.5	15	45	5BWD-F
MPC5BWTWX.X	GaN/SiC	430	BLUE	TINTED	25	4	4.5	30	20	5BWT-F
MPC5GCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	35	5GC-F
MPC5GDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	45	5GD-F
MPC5GTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	35	5GT-F
MPC5UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	600	35	5UGC-F
MPC5PGCWX.X	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	35	5PGC-F
MPC5PGDWX.X	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	10	45	5PGD-F
MPC5PGTWX.X	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	35	5PGT-F
MPC5YCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2	2.8	40	35	5YC-F
MPC5YDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2	2.8	25	45	5YD-F
MPC5YTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2	2.8	40	35	5YT-F
MPC5ACWX.X	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2	2.8	40	35	5AC-F
MPC5ADWX.X	GaAsP/GaP	605	AMBER	DIFFUSED	30	2	2.8	25	45	5AD-F
MPC5ATWX.X	GaAsP/GaP	605	AMBER	TINTED	30	2	2.8	40	35	5AT-F
MPC5HCWX.X	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2	2.8	40	35	5HC-F
MPC5HDWX.X	GaAsP/GaP	625	HE RED	DIFFUSED	30	2	2.8	25	45	5HD-F
MPC5HTWX.X	GaAsP/GaP	625	HE RED	TINTED	30	2	2.8	40	35	5HT-F
MPC5RCWX.X	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2	35	5RC-F
MPC5RDWX.X	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	45	5RD-F
MPC5RTWX.X	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2	35	5RT-F
MPC5BCWX.X-A/G	GaAsP/GaP	605	AMBER	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-A/G-F
	GaP/GaP	568	GREEN		30	2.1	2.8	6		
MPC5BCWX.X	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-F
	GaP/GaP	568	GREEN		30	2.1	2.8	8		
MPC5BCWX.X-R/Y	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-R/Y-F
	GaAsP/GaP	590	YELLOW		30	2.0	2.8	5		
MPC5BCWX.X-Y/G	GaAsP/GaP	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-Y/G-F
	GaP/GaP	568	GREEN		30	2.1	2.8	8		

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES <u>ANGULAR</u> X° ± 5°		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: David Green	DATE: 01/31/05	PART NO: MPC5XXWX.X	
CHECKED: T. Yin	DATE: 01/31/05	CAGE CODE : 32559	REVISION: J
		SHEET # 2 OF 4	
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		


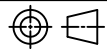
LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2θ ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
MPC5UBWCWX.X	InGaN/SiC	468	BLUE	WATER CLEAR	50	3.2	3.6	8000	15	5BWC2.515F
MPC5SGCWX.X	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	60	35	5SGC-F
MPC5SGDWX.X	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	50	40	5SGD-F
MPC5SGTWX.X	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	60	35	5SGT-F
MPC5SYCWX.X	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	600	35	5SYC-F
MPC5SYDWX.X	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	150	40	5SYD-F
MPC5SYTWX.X	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	600	35	5SYT-F
MPC5SRCWX.X	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	35	5SRC-F
MPC5SRDWX.X	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	40	5SRD-F
MPC5SRTWX.X	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	35	5SRT-F
MPC5UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	400	35	5UGC-F
MPC5UGCWX.X	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	5SUGC-F
MPC5UYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	1000	30	5UYC-F
MPC5SUycwx.x	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	700	35	5SUyc-F
MPC5UUYCWX.X	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	500	35	5UUYC-F
MPC5UOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1400	35	5UOC-F
MPC5UOCWX.X	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1300	35	5SUOC-F
MPC5URCWX.X	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	400	30	5URC-F
MPC5SURCWX.X	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	500	35	5SURC-F
MPC5UWCWX.X	InGaN/SiC	6500K	WHITE	WATER CLEAR	100	3.5	4.2	2700	30	5WC2.730F

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) ±10% ALL VALUES ANGULAR X° ± 5°		 BIVAR [®] 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
			
DESIGNED: David Green	DATE: 01/31/05	PART NO: MPC5XXWX.X	
CHECKED: T. Yin	DATE: 01/31/05	CAGE CODE : 32559	REVISION: J
		SHEET # 3 OF 4	
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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET #1.		

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Max. Rating	Electro-Optical Data @ 2mA			Viewing Angle $2\theta_{1/2}$ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
MPC5BWDLWX.X	430	BLUE	DIFFUSED	7	3.8	4.2	4	40	5BWDL-F
MPC5PGDLWX.X	555	PURE GREEN	DIFFUSED	7	2.1	2.6	1	40	5PGDL-F
MPC5GDLWX.X	568	GREEN	DIFFUSED	7	2.1	2.6	4	40	5GDL-F
MPC5YDLWX.X	590	YELLOW	DIFFUSED	7	2.0	2.6	4	40	5YDL-F
MPC5ADLWX.X	605	AMBER	DIFFUSED	7	2.0	2.6	4	40	5ADL-F
MPC5HDLWX.X	625	HE RED	DIFFUSED	7	2.0	2.6	5	40	5HDL-F
MPC5SRDLWX.X	645	SUPER RED	DIFFUSED	7	1.7	2.3	6	40	5SRDL-F

LED Assy. No.	Peak Wave Length λ_p (nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle $2\theta_{1/2}$ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
5 Volt				Data @ 5V					
MPC5BWD5VWX.X	BLUE	430	DIFFUSED	-	-	5	15	40	5BWD5V-F
MPC5GC5VWX.X	GREEN	568	WATER CLEAR	-	-	5	40	40	5GC5V-F
MPC5GD5VWX.X	GREEN	568	DIFFUSED	-	-	5	25	40	5GD5V-F
MPC5GT5VWX.X	GREEN	568	TINTED	-	-	5	40	40	5GT5V-F
MPC5AD5VWX.X	AMBER	605	DIFFUSED	-	-	5	25	40	5AD5V-F
MPC5HD5VWX.X	HE RED	625	DIFFUSED	-	-	5	30	40	5HD5V-F
MPC5RD5VWX.X	RED	700	DIFFUSED	-	-	5	1.5	40	5RD5V-F
MPC5YD5VWX.X	YELLOW	590	DIFFUSED	-	-	5	25	40	5YD5V-F
12 Volt				Data @ 12V					
MPC5GC12VWX.X	GREEN	568	WATER CLEAR	-	-	12	40	35	5GC12V-F
MPC5GD12VWX.X	GREEN	568	DIFFUSED	-	-	12	25	40	5GD12V-F
MPC5HC12VWX.X	HE RED	625	WATER CLEAR	-	-	12	50	35	5HC12V-F
MPC5HD12VWX.X	HE RED	625	DIFFUSED	-	-	12	30	40	5HD12V-F
MPC5RC12VWX.X	RED	700	WATER CLEAR	-	-	12	2	35	5RC12V-F
MPC5RD12VWX.X	RED	700	DIFFUSED	-	-	12	1.5	40	5RD12V-F
MPC5YC12VWX.X	YELLOW	590	WATER CLEAR	-	-	12	25	35	5YC12V-F
MPC5YD12VWX.X	YELLOW	590	DIFFUSED	-	-	12	20	40	5YD12V-F

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ANGULAR X° \pm 5°			
		TITLE: STD METAL PANEL MOUNT INDICATORS W/ WIRES	
DESIGNED: David Green	DATE: 01/31/05	PART NO: MPC5XXWX.X	REVISION: J
CHECKED: T. Yin	DATE: 01/31/05	CAGE CODE : 32559	SHEET # 4 OF 4
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[MPC5GTW12.0](#) [MPC5HCW12.0](#) [MPC5HDW12.0](#) [MPC5HTW12.0](#) [MPC5RCW12.0](#) [MPC5RDW12.0](#) [MPC5RTW12.0](#)
[MPC5ACW12.0](#) [MPC5ADW12.0](#) [MPC5ATW12.0](#) [MPC5BWCW12.0](#) [MPC5BWDW12.0](#) [MPC5BWTW12.0](#)
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