

**一、LED DISPLAY**

FY S - 180 1 1 A UHR - 1 1 - XXX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11

1.Brand: FORYARD

2.Mode:

S:single digit D:Double digits T:Three digits Q:Four digits and Over  
 E:Segment V:Module Type L:(S、D、T、Q)-SMD Type

3.FYS、FYD、FYT、FYQ、FYE、FYL(S、D、T、Q)-Digit Character Height 30-0.3" 180-1.8" 400-4.0"

4.FYS、FYD、FYT、FYQ、FYE、FYL(S、D、T、Q)-Digit Number:1-Single Digit 2-Double Digits ----

5.FYS、FYD、FYT、FYQ、FYE、FYL(S、D、T、Q)-Model Number:1-Mode 1、2-Mode 2 ----

6.Drive Mode: A、C、E-----Common Cathode B、D、F-----Common Anode Z-----Common use

7.Color Code:

CODE	COLOR	λ p	MATERIAL	CODE	COLOR	λ p	MATERIAL
H	Red	700	GaP	UHR	Ultra Hi Red	640	AlGaInP
S	Hi Red	660	AlGaInP	UR	Ultra Red	635	AlGaInP
D	Super Red	650	AlGaAs,DH	UE	Ultra Orange	625	AlGaInP
E	Orange	625	GaAsP	UA	Ultra Amber	610	AlGaInP
A	Amber	610	GaAsP	UY	Ultra Yellow	590	AlGaInP
Y	Yellow	590	GaAsP	UG	Ultra Green	570	AlGaInP
G	Yellow Green	570	AlGaInP	PG	Ultra Pure Green	520	InGaN
B	Blue	460/470	InGaN	BG	Ultra Bluish Green	505	InGaN
W	White	/	InGaN	UB	Ultra Blue	460/470	InGaN/GaN
				UW	Ultra White	/	InGaN/GaN

8.Reflector Surface Color:

0:White Surface 1:Black Surface 2:Gray Surface 3:Red Surface 4:Blue Surface ----

9.Segment Epoxy Color:

0:Water Clear 1:White Diffused 2:Red Diffused 3:Green Diffused  
 4:Yellow Diffused 5:YAG Diffused 6:Blue Diffused

10.Special Code:

LXX:Pin Length B:Both Side Decimal Point N:No Decimal Point DW:Double Wire  
 M: Surface Patch BS:Black Sides Z:Pin Bent G:Hi Temperature Resistant Material  
 E:Isopropyl Alcohol Resistant Material (Regular products omitted)

11.Company Bom Code

**二、LED Dot Matrix**

FY M - 23 8 8 1 A UHR - 1 1 - XXX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11 12

- 1.Brand: FORYARD
- 2.Mode: M-Dot Matrix      ML-Lamp Dot Matrix
- 3.FYM、FYLM-Dot Matrix Height 7-0.7" 10-1.0" 23-2.3"
- 4.FYM、FYLM-Column
- 5.FYM、FYLM-Row
- 6.FYM、FYLM: Model Number:1-Mode 1、2-Mode 2 ----
- 7.Drive Mode: A、C、E----Common Cathode B、D、F----Common Anode Z----Common use
- 8.Color Code:

CODE	COLOR	λ p	MATERIAL	CODE	COLOR	λ p	MATERIAL
H	Red	700	GaP	UHR	Ultra Hi Red	640	AlGaInP
S	Hi Red	660	AlGaInP	UR	Ultra Red	635	AlGaInP
D	Super Red	650	AlGaAs,DH	UE	Ultra Orange	625	AlGaInP
E	Orange	625	GaAsP	UA	Ultra Amber	610	AlGaInP
A	Amber	610	GaAsP	UY	Ultra Yellow	590	AlGaInP
Y	Yellow	590	GaAsP	UG	Ultra Green	570	AlGaInP
G	Yellow Green	570	AlGaInP	PG	Ultra Pure Green	520	InGaN
B	Blue	460/470	InGaN	BG	Ultra Bluish Green	505	InGaN
W	White	/	InGaN	UB	Ultra Blue	460/470	InGaN/GaN
				UW	Ultra White	/	InGaN/GaN

- 9.Reflector Surface Color:  
 0:White Surface 1:Black Surface 2:Gray Surface 3:Red Surface 4:Blue Surface ----
- 10.Segment Epoxy Color:  
 0:Water Clear      1:White Diffused      2:Red Diffused      3:Green Diffused  
 4:Yellow Diffused      5:YAG Diffused      6:Blue Diffused

- 11.Special Code:  
 LXX:Pin Length      B:Both Side Decimal Point      N:No Decimal Point      DW:Double Wire  
 M: Surface Patch      BS:Black Sides      Z:Pin Bent      G:Hi Temperature Resistant Material  
 E:Isopropyl Alcohol Resistant Material (Regular products omitted)

12. Company Bom Code

**三、LED BARGRAPH & LIGHTBAR**

FY A - R 10 2510 B Z S - 1 1 - XXX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11 12

- 1.Brand: FORYARD
- 2.Mode:
- 3.Shape: R:Rectangular S:Square C:Circle T:Arrow (The above custom made products are omitted)
- 4.Display Area Number
- 5.Reflector Length & Reflector Width: 2510--25mm\*10mm
- 6.Model Number:A、 B、 C---Mode A、 B、 C---
- 7.Drive Mode: A、 C、 E-----Common Cathode B、 D、 F-----Common Anode Z-----Common use
- 8.Color Code:

CODE	COLOR	λ p	MATERIAL	CODE	COLOR	λ p	MATERIAL
H	Red	700	GaP	UHR	Ultra Hi Red	640	AlGaInP
S	Hi Red	660	AlGaInP	UR	Ultra Red	635	AlGaInP
D	Super Red	650	AlGaAs,DH	UE	Ultra Orange	625	AlGaInP
E	Orange	625	GaAsP	UA	Ultra Amber	610	AlGaInP
A	Amber	610	GaAsP	UY	Ultra Yellow	590	AlGaInP
Y	Yellow	590	GaAsP	UG	Ultra Green	570	AlGaInP
G	Yellow Green	570	AlGaInP	PG	Ultra Pure Green	520	InGaN
B	Blue	460/470	InGaN	BG	Ultra Bluish Green	505	InGaN
W	White	/	InGaN	UB	Ultra Blue	460/470	InGaN/GaN
				UW	Ultra White	/	InGaN/GaN

- 9.Reflector Surface Color:  
 0:White Surface 1:Black Surface 2:Gray Surface 3:Red Surface 4:Blue Surface ----

- 10.Segment Epoxy Color:  
 0:Water Clear 1:White Diffused 2:Red Diffused 3:Green Diffused  
 4:Yellow Diffused 5:YAG Diffused 6:Blue Diffused

- 11.Special Code:  
 LXX:Pin Length B:Both Side Decimal Point N:No Decimal Point DW:Double Wire  
 M: Surface Patch BS:Black Sides Z:Pin Bent (Regular products omitted)

12 Company Bom Code

**四、LED LAMP**

FY L - 50 1 3 SUR D 1E 30 - SO - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11

1.Brand: FORYARD

2.Mode: L-LED Lamp

3.LED Size: 50-Φ5mm    100-Φ10mm    25-2mm\*5mm

4.Item Shape:

0:Round Without Edge      1:Round With Edge      2:Bullet Head      3:Concave  
 4:Flat      5-8:Ellipse      A:Square      B:Triangle  
 C:Nipple      D:Straw hat      E:Tower      F:Tombstore

5.Lead Frame Type

6.Color Code:

CODE	COLOR	λ p	MATERIAL	CODE	COLOR	λ p	MATERIAL
H	Red	700	GaP	VR	Pink	/	InGaN
SR	Hi Red	660	AlGaInP	UR	Ultra Red	630	AlGaInP
LR	Bright Red	650	AlGaAs	UE	Ultra Orange	625	AlGaInP
E	Orange	625	GaP	UA	Ultra Amber	610	AlGaInP
A	Amber	610	GaP	UY	Ultra Yellow	590	AlGaInP
Y	Yellow	590	GaP	UG	Ultra Green	570	AlGaInP
G	Yellow Green	570	AlGaInP	PG	Ultra Pure Green	520	InGaN
B	Blue	460/470	InGaN	BG	Ultra Bluish Green	505	InGaN
V	Purple	405	InGaN/GaN	UB	Ultra Blue	460/470	InGaN/GaN
W	White	/	InGaN/GaN	UW	Ultra White	/	InGaN/GaN

Chip Code : K,S,P,M,N,L

7.Lens Color:

D:Color Diffused      T:Color Transparent      E:Orange Diffused  
 W:White Diffused      C:Water Clear      F:Orange Transparent  
 R:Use Phosphor to make red color      Y:Use Phosphor to make yellow color

8.Model Code:

9.Viewing Angle

10.Special Instruction

UWW:Warm White      ULW:Cold White      B:Blinking LED  
 TL:Traffic Signal      S2:"+"1.2mm      S5:"+"1.5mm  
 S0:Bracket Starpless      TR:Tape LED Lamps      TB:Reel LED Lamps  
 L5.0:cut flat foot length 5.0      TA:pin bent  
 Color Temperature: 3500K    6500K    9500K    (Regular products omitted)

11.Company Bom Code

**五、SUPER FLUX LED LAMPS**

FY LF - 1860 S UR 1 C XX - XX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10

- 1.Brand: FORYARD
- 2.Mode: LF-Flux LED
- 3.Molding Type
- 4.Chip Code : K,S,P,M,N,L
- 5.Color Code:

CODE	COLOR	$\lambda_p$	MATERIAL
UR	Ultra Red	630	AlGaInP
UE	Ultra Orange	625	AlGaInP
UA	Ultra Amber	610	AlGaInP
UY	Ultra Yellow	590	AlGaInP
UG	Ultra Green	570	AlGaInP
PG	Ultra Pure Green	520	InGaN
BG	Ultra Bluish Green	505	InGaN
UB	Ultra Blue	460/470	InGaN/GaN
UW	Ultra White	/	InGaN/GaN
ULW	Cold White	/	InGaN/GaN
UWW	Warm White	/	InGaN/GaN

- 6.Chip Quantity :
  - 1:Single Chip    2:Double Chips    3:Three Chips    4:Four Chips
- 7.Lens Color :
  - C:Water Clear    W:White Diffused
- 8.Color Temperatue
  - 2800K:28    3000K:30    6000K:60    9500K:95    12000K:120 (Regular products omitted)
- 9.Lead Frame type: A-Alu    C-Cooper    F-Iron (Regular products omitted)
- 10.Company Bom Code

**六、SMD**

FY LS - 0603 B K UR 2 C - XX - XX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11

- 1.Brand: FORYARD
- 2.Mode: LS-SMD Lamps
- 3.SMD Size
- 4.Product appearance serial code: B C D E (The first code omitted)
- 5.Chip Code : K,S,P,M,N,L
- 6.Color Code:

CODE	COLOR	$\lambda p$	MATERIAL	CODE	COLOR	$\lambda p$	MATERIAL
H	Red	700	GaP	VR	Pink	/	InGaN
SR	Hi Red	660	AlGaAs	LR	Bright Red	660	AlGaInP
E	Orange	625	GaP	UR	Ultra Red	630	AlGaInP
A	Amber	610	GaP	UE	Ultra Orange	625	AlGaInP
Y	Yellow	590	GaP	UA	Ultra Amber	610	AlGaInP
G	Yellow Green	570	AlGaInP	UY	Ultra Yellow	590	AlGaInP
UV	Purple	405	InGaN	UG	Ultra Green	570	AlGaInP
UB	Ultra Blue	460/470	InGaN/GaN	PG	Ultra Pure Green	520	InGaN
UW	Ultra White	/	InGaN/GaN	BG	Ultra Bluish Green	505	InGaN

Chip Code : K,S,P,M,N,L

7. Chip Quantity:
  - 1:Single Chip
  - 2:Double Chips
  - 3:Three Chips
  - 4:Four Chips (One chip products omitted)
- 8.Lens Color : C:Water Clear W:White Diffused B:Black
 

R:Use Phosphor to make red color Y:Use Phosphor to make yellow color
- 9.Color Temperature
 

2800K:28 3000K:30 6000K:60 9500K:95 12000K:120 (Regular products omitted)
- 10.Product Special Code:
 

H1-Lens Height, X1-Light Emitting Surface Shape 1 Square 2 Oval, BW-Black surface,  
 CW-Shell All black, Z1-Pin Form A-Aluminum Substrate C-Cooper Substrate F-Iron Substrate  
 G-Ceramic Substrate UA-Golden (PCB) Ag-Silver (PCB) AL-Alloy Wire CL-Cooper Wire  
 CP-Copper Palladium Wire GL-Golden Wire(Regular products omitted) RM-Reverse Mount  
 (Regular products omitted)
- 11.Company Bom Code

**七、HIGH POWER LAMPS**

FY LP - 1W - UR B XX - A - XX - XX - XXXXXX

1 2 3 4 5 6 7 8 9 10

1.Brand: FORYARD

2.Mode: LP:High Power Lamps

3.Watts

4.Color Code:

CODE	COLOR	$\lambda_p$	MATERIAL		CODE	COLOR	$\lambda_p$	MATERIAL
UR	Ultra Red	630	AlGaInP		ULW	Cold White	/	InGaN/GaN
UY	Ultra Yellow	590	AlGaInP		UW	Ultra White	/	InGaN/GaN
PG	Ultra Pure Green	520	InGaN		UWW	Warm White	/	InGaN/GaN
UB	Ultra Blue	460/470	InGaN/GaN					

5.Lens Shape: B:Hemisphere L:Bullet S:Indent K: Flat Colloid

6.Color Temperature 2800K:28 3500K:35 6000K:60 (Regular products omitted)

7.PCB Code: A:With Aluminum Plate C: Ceramic PCB (Regular products omitted)

8.The number of chips(Mainly for integrating high power,Regular products omitted)

9.Number of chip rows(Mainly for integrating high power,Regular products omitted)

10.Company Bom Code

**八、LED STRIP**

FY SH - 3528 K UW 2 C 60-66 - 12V - W W 8 - XX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1.Brand: FORYARD

2.Mode: LH:Rigid Strip SH:Flexible Strip

3.Type Of LED

4.Chip Code : K,S,P,M,N,L

5.Color Code:

CODE	COLOR	$\lambda$ p	MATERIAL	CODE	COLOR	$\lambda$ p	MATERIAL
UR	Ultra Red	630	AlGaInP	UE	Ultra Orange	625	AlGaInP
UY	Ultra Yellow	590	AlGaInP	UG	Ultra Green	570	AlGaInP
PG	Ultra Pure Green	520	InGaN	BG	Ultra Bluish Green	505	InGaN
UB	Ultra Blue	460/470	InGaN/GaN	UW	Ultra White	/	InGaN/GaN
ULW	Cold White	/	InGaN/GaN	UWW	Warm White	/	InGaN/GaN

6.Quantity Of Chip: 2:Double Chips 3:Three Chips 4:Four Chips (One Chip Products Omitted)

7.Colloid Color C:Water Clear W:White Diffused

8.Color Temperature 2800K:28 3500K:35 6000K:60 (Regular products omitted)

9.LED Quantity per meter

10.Working VF: DC:12V、24V、36V AC:110V、220V

11.W:Waterproof N:Non-Waterproof

12.PCB Color: W:White B:Black Y:Yellow

13.PCB Width: 4、8、10、12(mm) ----

14.Special Code:

P:Marquee, FP:Symphony C:one end with connector 2C:both end with connector

WC:waterproof connector M:connector cable HL:super bright

LL:low intensity (Regular products omitted)

15.Company Bom Code



**九、LED MODULE**

FY LM - 5050 UW 3838 W - 04 - 12V - XX - 01 - XXXXXX  
 1      2      3      4      5      6      7      8      9      10      11

- 1.Brand: FORYARD
- 2.Mode: LM-LED Module
- 3.Type Of LED
- 4.Color Code:

CODE	COLOR	$\lambda p$	MATERIAL	CODE	COLOR	$\lambda p$	MATERIAL
UR	Ultra Red	635	AlGaInP	BG	Ultra Bluish Green	505	InGaN
UE	Ultra Orange	625	AlGaInP	UB	Ultra Blue	460/470	InGaN/GaN
UG	Ultra Green	570	AlGaInP	ULW	Cold White	/	InGaN/GaN
UY	Ultra Yellow	590	AlGaInP	UW	Ultra White	/	InGaN/GaN
PG	Ultra Pure Green	520	InGaN	UWW	Warm White	/	InGaN/GaN

- 5.Module Size: (Length\*Width mm)  
 Length: 7.1mm:08 12.1mm:13 37.8mm:38 100.5mm:101  
 Width: 6.5mm:07 19.6mm:20 37.2mm:38 99.6mm:100
- 6.W:Waterproof N:Non-Waterproof
- 7.LED Quantity
- 8.Working VF:  
 DC:12V、24V、36V AC:110V、220V
- 9.Color Temperature  
 2800K:28 3000K:30 6000K:60 9500K:95 12000K:120 (Regular products omitted)
- 10.Produsts Series Code:
- 11.Company Bom Code