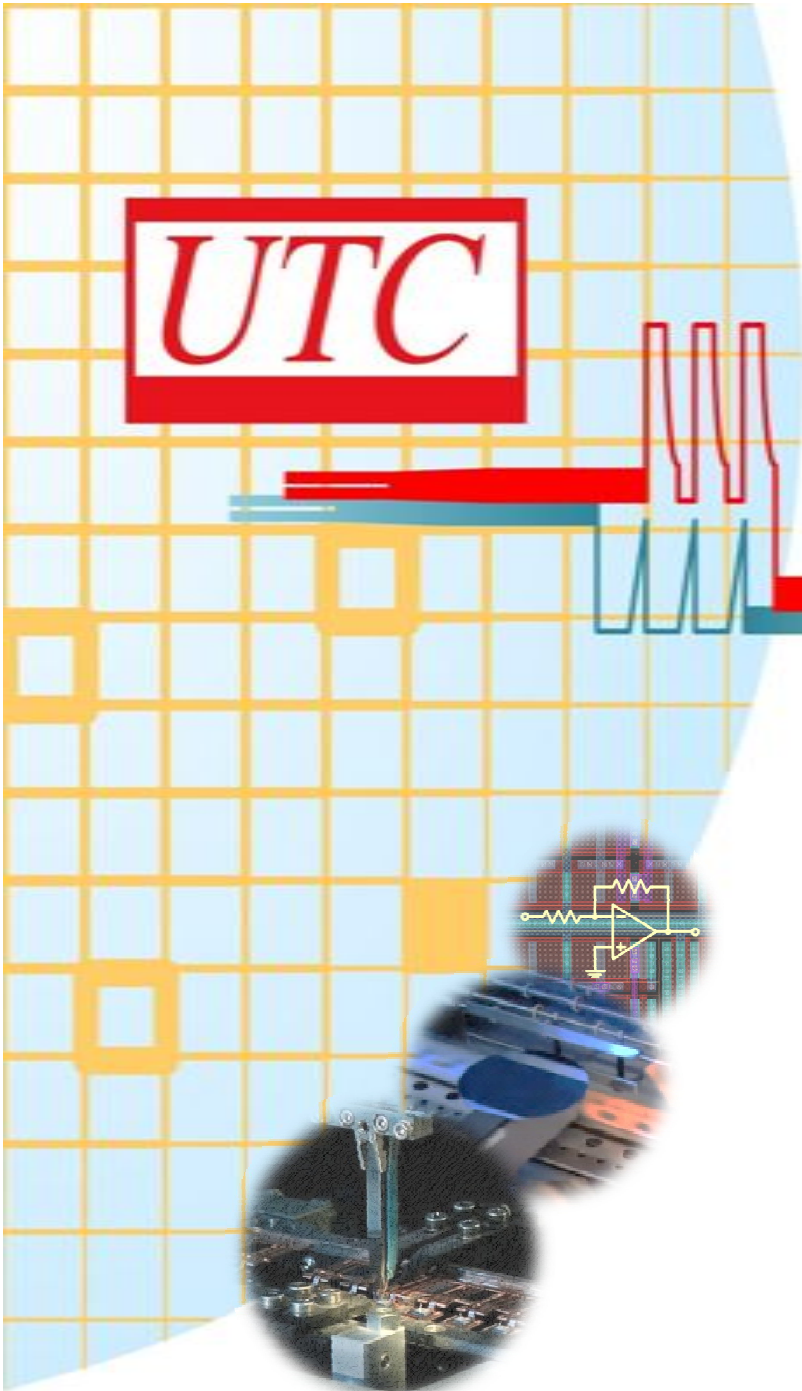
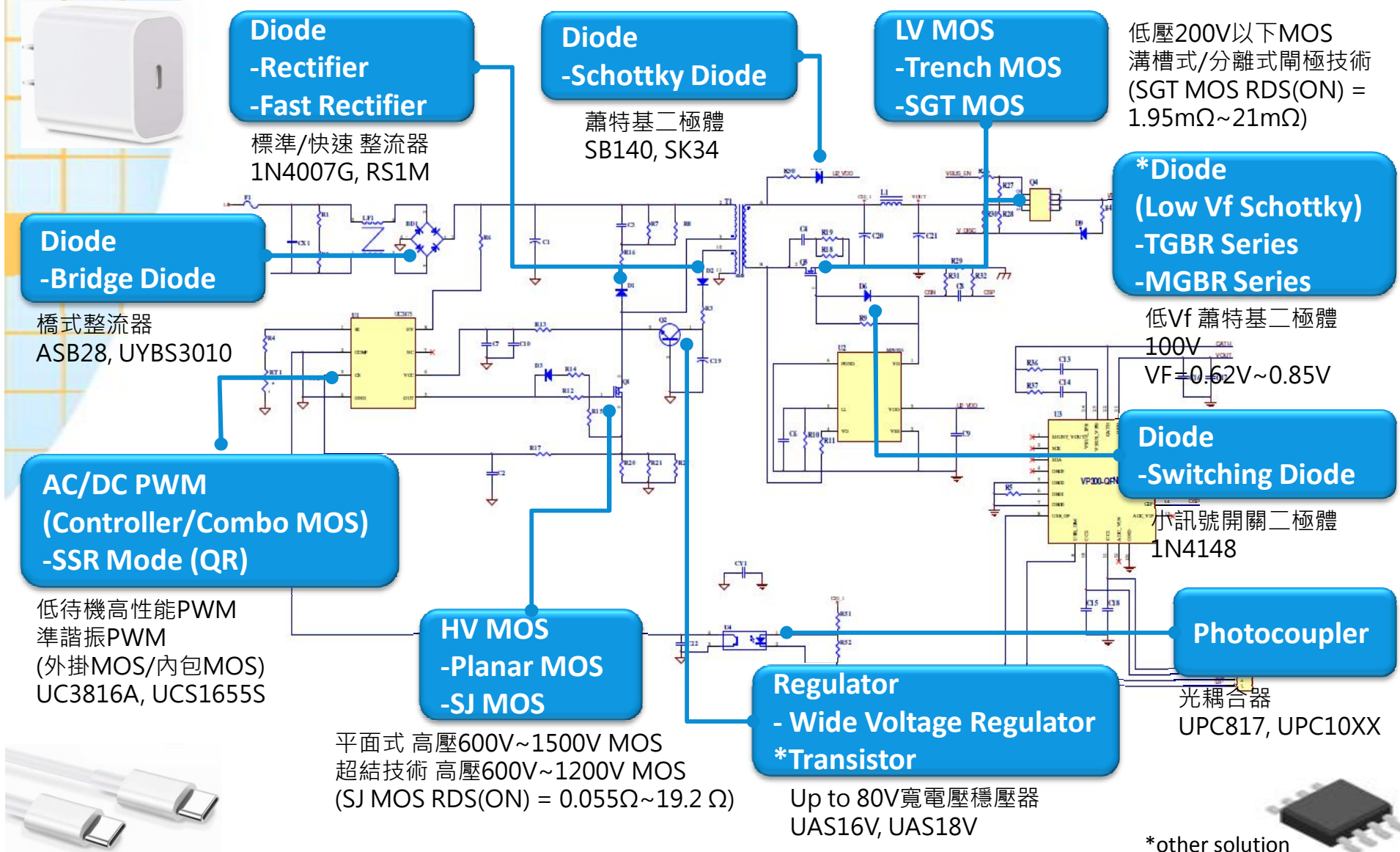


The background of the slide features a light blue grid pattern with yellow squares. On the left, there is a red-bordered box containing the letters 'UTC' in a red, serif font. Below this box, there are several overlapping circular images: a circuit board, a mechanical component, and a close-up of a circuit board with a component being soldered. To the right of the 'UTC' box, there are two overlapping waveforms, one red and one blue, and a thick red horizontal bar that extends across the slide.

UTC

Unisonic Technologies

Product Introduction





UTC Parts in PD Power

Category	Part No.	Description	Package
HV MOSFET	4N65-ML	Planar MOSFET, VDSS=650V, ID=4A, RDS(ON)<2.6 Ω	TO-220, TO-220F/F1/F2/F3 TO-251, TO-252, TO-263, PDFN5X6
HV MOSFET	7N65-ML	Planar MOSFET, VDSS=650V, ID=7A, RDS(ON)<1.3 Ω	TO-220, TO-220F/F1/F2 TO-251, TO-252, TO-262 TO-263, PDFN5X6
HV MOSFET	10N65-ML	Planar MOSFET, VDSS=650V, ID=10A, RDS(ON)<1.0 Ω	TO-220, TO-220F/F1/F2, TO-252D, TO-262, TO-263
UTC Planar MOSFET : VDSS=55V~1500V ID=0.021A~110A RDS(ON)=0.008 Ω ~500 Ω			
HV MOS	7NM70	SJ MOS, VDSS=700V, ID=7A, RDS(ON) <1 Ω	TO-220, TO-220F/F1/F2/F3, TO-251, TO-251NS2, TO-252
HV MOS	18NM60	SJ MOS, VDSS=600V, ID=18A, RDS(ON) <0.28 Ω	TO-220, TO-220F/F1/F2, TO-220WF, TO-252, TO-263, TO-247, DFN8080-4
HV MOS	24NM65	SJ MOS, VDSS=650V, ID=24A, RDS(ON) <0.16 Ω	TO-220, TO-220F/F1/F2, TO-262, TO-263, TO-247, TO-247S, DFN8080-4
UTC SJ MOSFET : VDSS=500V~1200V ID=0.2A~75A RDS(ON)=0.055 Ω ~19.2 Ω			



UTC Parts in PD Power

Category	Part No.	Description	Package
LV MOS	UTT50N06M	N-CH Trench MOS, VDSS=60V, ID=50A, RDS(ON) <12m ohm	TO-220, TO-220F1, TO-251, PDFN5X6, TO-252
LV MOS	UTT80N08	N-CH Trench MOS, VDSS=80V, ID=80A, RDS(ON) <14m ohm	TO-220, TO-220F1, TO-220F2 TO-263, TO-252, PDFN5X6
LV MOS	USG50N06	N-CH SGT MOS, VDSS=60V, ID=50A, RDS(ON) <6.5m ohm	TO-252, PDFN5X6, PDFN3X3
LV MOS	USG50N10	N-CH SGT MOS, VDSS=100V, ID=50A, RDS(ON) <11.5m ohm	PDFN3X3, PDFN5X6
LV MOS	USG80N10	N-CH SGT MOS, VDSS=100V, ID=80A, RDS(ON) <8m ohm	TO-220, TO-220F, TO-220F1, TO-220F2, TO-252, PDFN5X6
LV MOS	USG135N10	N-CH SGT MOS, VDSS=100V, ID=135A, RDS(ON) <5.0m ohm	TO-220, TO-220F1, TO-263, TO-252, PDFN5X6
LV MOS	UT4413	P-CH Trench MOS, VDSS=-30V, ID=15A, RDS(ON) <14m ohm	SOP-8
LV MOS	UTT50N03L	N-CH Trench MOS, VDSS=30V, ID=50A, RDS(ON) <7.8m ohm	PDFN3X3, PDFN5X6, SOP-8, TO-252

UTC SGT MOS :

VDSS = 40V~150V, RDS(ON) = 0.7mΩ~16mΩ

UTC N-CH Trench MOS :

VDSS = 12V~200V, ID = 0.1A~220A, RDS(ON) = 2mΩ~8000mΩ

UTC P-CH Trench MOS :

VDSS = -12V~-200V, ID = -0.1A~-120A, RDS(ON) = 4.3mΩ~4500mΩ





UTC Parts in PD Power

Category	Part No.	Description	Package
Diode	TGBR30S100C	Low Vf Schottky Diode, VR=100V, IF=30A(Total), VF< 0.75V	TO-220, TO-220F, TO-220F1
Diode	MGBR20V200C	Low Vf Schottky Diode, VR=200V, IF=20A(Total), VF< 0.81V	TO-220, TO-220F, TO-220F1

UTC TGBR Low VF Schottky :

@Single

VR = 40V~200V, IF = 3A~30A, VF = 0.45V~0.93V

@Dual

VR = 45V~150V, IF = 10A~40A, VF = 0.45V~0.89V

UTC MGBR Low VF Schottky :

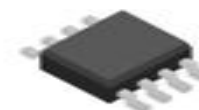
@Single

VR = 30V~300V, IF = 2A~40A, VF = 0.43V~0.97V

@Dual

VR = 30V~300V, IF = 6A~60A, VF = 0.4V~0.99V

Category	Part No.	Description	Package
Photocoupler	UPC817	Phototransistor Photocoupler, VF< 1.4V, VCEO=35V, CTR=50%~600%	DIP-4, DIP-4M, SMD-4,DIP-4C ,DIP-4MC,SMD-4C
Photocoupler	UPC816	Phototransistor Photocoupler, VF< 1.4V, VCEO=80V, CTR=50%~600%	DIP-4, DIP-4M, SMD-4 ,SMD-4C,DIP-4C
Photocoupler	UPC10XX	Phototransistor Photocoupler, VF< 1.4V, VCEO=80V, CTR=50%~600%	LSOP-4





UTC Parts in PD Power

Category	Part No.	Description	Protection								Package
			OLP	OVP	OTP	OCP	BNO	LNO	HV Start	Output OVP	
PWM	UC3816A	QR Mode, SSR Controller, Frequency 65KHz	V	V	V	V	V	V		Adjustable	SOT-26
PWM	UC3863A	SSR Controller, Programmable PWM Frequency	V	V	V	V					SOT-26 SOP-8 HSOP-8
PWM	UC3856	SSR Controller, Frequency 65KHz	V	V	V	V			UF601		SOT-26
PWM	US2652SQ	QR Mode, SSR Combo MOS, Frequency 65KHz, Internal Power MOSFET 650V/4ohm	V	V	V	V	V	V		Adjustable	DIP-7A
PWM	UCS1655S	SSR Combo MOS, Frequency 65KHz, Internal SJ MOSFET 650V/1.3ohm	V	V	V	V					DIP-7A DIP-8

Category	Part No.	Description	Package
LDO	UAS16V	Wide Operating Range Regulator Transistor, VCC=20~80V, Iout=0.015A, Vout=16.1V	SOT-23-3, TO-92



UTC Parts in PD Power

Category	Part No.	Description	Package
Transistor	MMBT5551	NPN Transistor, V _{CEO} =180V, V _{CE0} =160V, I _C =600mA, V _{CE(SAT)} < 0.2V	SOT-23

Category	Part No.	Description	Package
Diode	ABS28	Bridge Diode, V _R =800V, I _F =2A, V _F < 0.95V	ABS
Diode	UYBS3010	Bridge Diode, V _R =1000V, I _F =3A, V _F < 1V	YBS

Category	Part No.	Description	Package
Diode	1N4007G	Rectifier, V _R =1000V, I _F =1A, V _F =1.1V	DO-41
Diode	RS1M	Fast Recovery Rectifier, V _R =1000V, I _F =1A, V _F =1.3V, T _{rr} =500nS	DO-41, SMA
Diode	RS1D	Fast Recovery Rectifier, V _R =200V, I _F =1A, V _F =1.3V, T _{rr} =150nS	DO-41, SMA

Category	Part No.	Description	Package
Diode	1N4148	High Speed Switching Diode, V _R =100V, I _F =200mA, V _F =1V, T _{rr} =4nS	SOD-123, SOD-323, SOD-523 SOT-23, SOT-323

