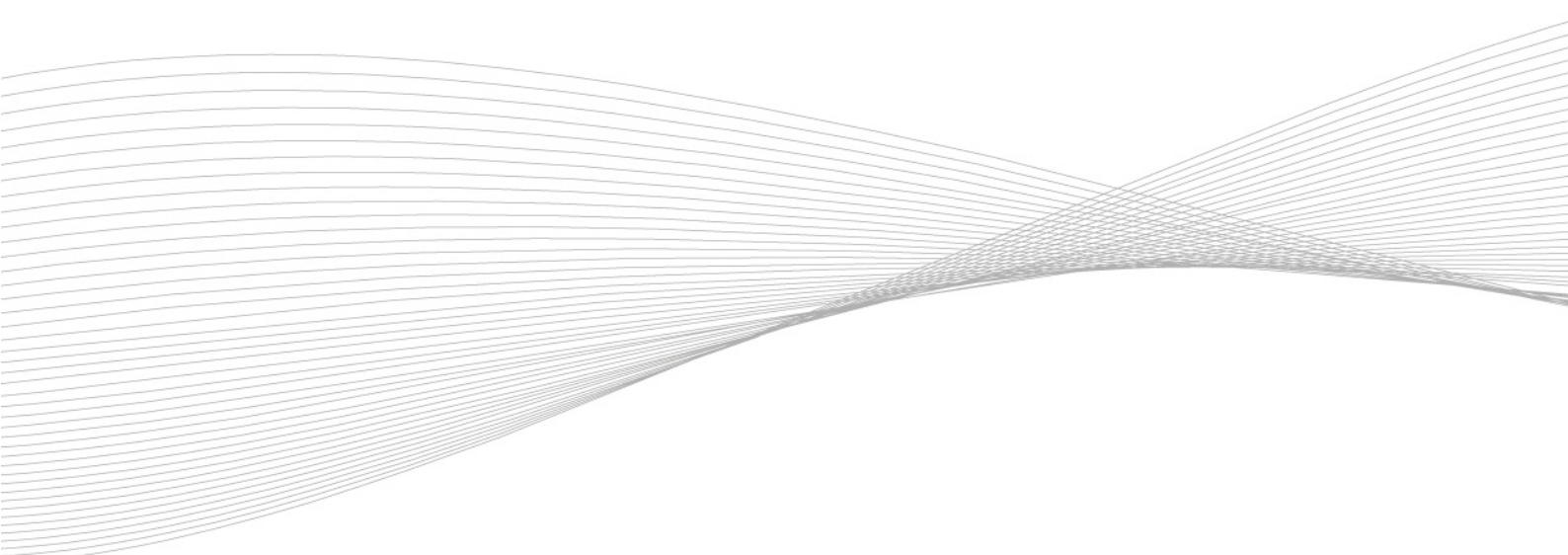


# ELATEC ARTICLE NUMBERING

GUIDELINES



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# 1 INTRODUCTION

This document describes the article number structure of ELATEC products. It is intended for everyone with a general knowledge of RFID technologies and the ELATEC product portfolio. Each ELATEC product family follows a specific and uniform part numbering system that gives you detailed information on the relevant product(s). This system applies to most of the ELATEC products. However, there may be a few exceptions in individual cases, e.g. for customer-specific or older products.

For the sake of better understanding and readability, this document contains exemplary article numbers that might be unavailable for purchase. In addition, some product configurations are technically not feasible or imply additional licenses or use conditions. In case a specific product configuration is requested, the corresponding article number(s) will be created and released by ELATEC.

In case of questions regarding your product order, contact your Sales representative or ELATEC customer service at [info-rfid@elatec.com](mailto:info-rfid@elatec.com)

## 2 TWN4 MULTITECH SERIES

<b>SCHEME</b>	<b>T4</b>	<b>DT</b>	<b>-</b>	<b>B</b>	<b>B</b>	<b>2</b>	<b>W</b>	<b>EL</b>	<b>-</b>	<b>5</b>	<b>P</b>	<b>XX</b>
POSITION	1	2		3	4	5	6	7		8	9	10

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	DT	MultiTech device, with desktop housing (fixed)
3	Frontend	B F	LEGIC, SM-4200 or SM-4500 NXP
4	Type of interface	B R	USB interface RS-232 interface
5	Cable length	XX	Refer to "Appendix B"
6	Housing color	B W	Black White
7	Inlay type, color	EL XX	ELATEC standard inlay Customer-specific inlay
8	LEGIC frontend	5 No "5"	LEGIC, SM-4500 LEGIC, SM-4200
9	Functional extensions	(none) P PI A V T	Standard, no option P option – HID Prox PI option – P (HID Prox) + I (HID iCLASS) Apple basic protocols Apple VAS support Transact
10	Addendum	(none) CCID XX	Standard version Chip Card Interface Device (specific protocol for USB readers) Customer-specific version

### 3 TWN4 MULTITECH M SERIES

<b>SCHEME</b>	<b>T4</b>	<b>DO</b>	<b>-</b>	<b>B</b>	<b>-</b>	<b>5</b>	<b>P</b>	<b>XX</b>
<b>POSITION</b>	<b>1</b>	<b>2</b>		<b>3</b>		<b>4</b>	<b>5</b>	<b>6</b>

<b>POSITION</b>	<b>EXPLANATION</b>	<b>VALUE(S)</b>	<b>DESCRIPTION</b>
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	DO	MultiTech module, OEM PCB, without housing (fixed)
3	Frontend	B F	LEGIC, SM-4200 or SM-4500 NXP
4	LEGIC frontend	5 No "5"	LEGIC-4500 LEGIC-4200
5	Functional extensions	(none) P PI	Standard, no option P option – HID Prox PI option – P (HID Prox) + I (HID iCLASS)
6	Addendum	(none) CCID XX	Standard version Chip Card Interface Device (specific protocol for USB readers) Customer-specific version

## 4 TWN4 MULTITECH 2 SERIES

<b>SCHEME</b>	<b>T4</b>	<b>BT</b>	<b>-</b>	<b>F</b>	<b>B</b>	<b>2</b>	<b>B</b>	<b>EL</b>	<b>7</b>	<b>-</b>	<b>5</b>	<b>XB</b>	<b>P</b>	<b>XX</b>
<b>POSITION</b>	1	2		3	4	5	6	7	8		9	10	11	12

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	BT	MultiTech 2 device, with desktop housing (fixed)
3	Frontend	B F	LEGIC, SM-4200 or SM-4500 NXP
4	Type of interface	B R	USB interface RS-232 interface
5	Cable length	XX	Refer to "Appendix B"
6	Housing color	B W	Black White
7	Inlay type, color	EL XX	ELATEC standard inlay Customer-specific inlay
8	Frequency types	2 4 6 7	HF only LF only LF + HF LF + HF + BLE
9	LEGIC frontend	5 No "5"	LEGIC-4500 LEGIC-4200
10	BLE option	(none) XB	MultiTech 2 device without BLE function MultiTech 2 device equipped with SAM BLE card
11	Functional extensions	(none) P I PI A V T	Standard, no option P option – HID Prox I option – HID iCLASS PI option – P (HID Prox) + I (HID iCLASS) Apple basic protocols Apple VAS support Transact
12	Addendum	(none) CCID XX	Standard version Chip Card Interface Device (specific protocol for USB readers) Customer-specific version

## 5 TWN4 MULTITECH 2 M SERIES

<b>SCHEME</b>	<b>T4</b>	<b>BO</b>	<b>-</b>	<b>B</b>	<b>2</b>	<b>-</b>	<b>5</b>	<b>XB</b>	<b>P</b>	<b>XX</b>
<b>POSITION</b>	<b>1</b>	<b>2</b>		<b>3</b>	<b>4</b>		<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>

<b>POSITION</b>	<b>EXPLANATION</b>	<b>VALUE(S)</b>	<b>DESCRIPTION</b>
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	BO	MultiTech 2 module, OEM PCB, without housing (fixed)
3	Frontend	B	LEGIC, SM-4200 or SM-4500
		F	NXP
4	Frequency types	2	HF only
		4	LF only
		6	LF + HF
		7	LF + HF + BLE
5	LEGIC Frontend	5	LEGIC-4500
		No "5"	LEGIC-4200
6	BLE option	(none)	MultiTech 2 device without BLE function
		XB	MultiTech 2 device equipped with SAM BLE card
7	Functional extensions	(none)	Standard, no option
		P	P option – HID Prox
		I	I option – HID iCLASS
		PI	PI option – P (HID Prox) + I (HID iCLASS)
8	Addendum	(none)	Standard version
		CCID	Chip Card Interface Device (specific protocol for USB readers)
		XX	Customer-specific version

## 6 TWN4 MULTITECH 3 M SERIES

<b>SCHEME</b>	<b>T4</b>	<b>30</b>	<b>-</b>	<b>F</b>	<b>7</b>	<b>CO</b>	<b>-</b>	<b>P</b>	<b>XX</b>
POSITION	1	2		3	4	5		6	7

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	30	MultiTech 3 module, OEM PCB, without housing
3	Frontend	B F	LEGIC, SM-4200 NXP
4	Frequency types	4 6 7	LF only LF + HF LF + HF + BLE
5	Interfaces/Connectors	CO CX	Standard version, without pins Customer-specific version
6	Functional extensions	(none) P PI	Standard, no option P option – HID Prox PI option – P (HID Prox) + I (HID iCLASS)
7	Addendum	(none) XX	Standard version Customer-specific version



# 7 TWN4 SLIM SERIES

## 7.1 TWN4 SLIM READERS

SCHEME	T4	QC	-	F	C3	B	7	ELA	-	I	JP	XX
POSITION	1	2		3	4	5	6	7		8	9	10

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	QC	Specific code for TWN4 Slim readers
3	Frontend	D F	LEGIC, SM-6300 NXP
4	PCB revision for HID iCLASS SE processor	C3/D3 D7	Without HID iCLASS SE processor Equipped with HID iCLASS SE processor Rev. 7
5	Housing color	B	Black
6	Frequency types	3 7	HF + BLE LF + HF + BLE
7	Inlay type	ELA ELB XXA	ELATEC standard inlay, white ELATEC standard inlay, white, with cutouts Customized inlay
8	Functional extensions	(none) P I PI	Standard, no option P option – HID Prox I option – HID iCLASS PI option – P (HID Prox) + I (HID iCLASS)
9	Regional variant for Japan	JP	Refers to Japan specific product variant TWN4 Slim JP
10	Addendum	(none) XX	Standard version Customer-specific version

7.2 TWN4 SLIM KITS

<b>SCHEME</b>	<b>T4</b>	<b>QK</b>	<b>-</b>	<b>F</b>	<b>C</b>	<b>01</b>	<b>ELA</b>	<b>7</b>	<b>-</b>	<b>P</b>	<b>XX</b>	<b>JP</b>
POSITION	1	2		3	4	5	6	7		8	9	10

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	QK	Specific code for TWN4 Slim kits
3	Frontend	D F	LEGIC, SM-6300 NXP
4	PCB revision	C D	Old revision New revision
5	Customer-specific configuration	XX	Customer-specific reader configuration
6	Inlay type	ELA ELB XXA	ELATEC standard inlay, white ELATEC standard inlay, white, with cutouts Customized inlay
7	Frequency types	7	LF + HF + BLE
8	Functional extensions	(none) P I PI	Standard, no option P option – HID Prox I option – HID iCLASS PI option – P (HID Prox) + I (HID iCLASS)
9	Addendum	(none) XX	Standard version Customer-specific version
10	Regional variant for Japan	JP	Optional: refers to Japan specific product variant TWN4 Slim JP

## 8 TWN4 USB FRONT READER SERIES

<b>SCHEME</b>	<b>T4</b>	<b>FK</b>	<b>-</b>	<b>F</b>	<b>B</b>	<b>FR</b>	<b>LM</b>	<b>7</b>	<b>-</b>	<b>P</b>	<b>XX</b>
POSITION	1	2		3	4	5	6	7		8	9

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	FK	Specific code for TWN4 USB Front Reader kits
3	Frontend	B	LEGIC, SM-4200
		F	NXP
4	Housing color	B	Black
5	Inlay	FR	ELATEC standard inlay
		XX	Customized inlay
6	Mounting angle	LM	Standard
7	Frequency types	7	LF + HF + BLE
8	Functional extensions	(none)	Standard, no option
		P	P option – HID Prox
		PI	PI option – P (HID Prox) + I (HID iCLASS)
9	Addendum	(none)	Standard version
		XX	Customer-specific version

## 9 TWN4 PALON PCB SERIES

<b>SCHEME</b>	<b>T4</b>	<b>W2</b>	<b>-</b>	<b>F</b>	<b>01</b>	<b>C</b>	<b>7</b>	<b>-</b>	<b>P</b>	<b>XX</b>
POSITION	1	2		3	4	5	6		7	8

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	W1	TWN4 Palon One reader modules
		W2	TWN4 Palon Compact M reader modules
		WQ	TWN4 Palon Square M reader modules
3	Frontend	B	LEGIC, SM-4200
		F	NXP
4	Combination	(0)1	Standard combination
		(X)X	Customized combinations
5	Interfaces/Connectors	B	RS-485
		B1	RS-485 + 6-pin two-piece pin-header and cable plug
		C	RS-485 + RS-232
		F2	USB + RS-485, 2 ports on the PCB
6	Frequency types	2	HF only
		6	LF + HF
		7	LF + HF + BLE
7	Functional extensions	(none)	Standard, no option
		P	P option – HID Prox
		PI	PI option – P (HID Prox) + I (HID iCLASS)
8	Addendum	(none)	Standard version
		XX	Customer-specific version

## 10 TWN4 PALON COMPACT PANEL SERIES

<b>SCHEME</b>	<b>T4</b>	<b>PK</b>	<b>-</b>	<b>F</b>	<b>01</b>	<b>TR</b>	<b>7</b>	<b>-</b>	<b>P</b>	<b>XX</b>
POSITION	1	2		3	4	5	6		7	8

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	PK	Specific code for TWN4 Palon Compact Panel kits
3	Frontend	B	LEGIC, SM-4200
		F	NXP
4	Combination	01	Standard combination
		XX	Customized combinations
5	Housing color	BK	Black
		TR	Transparent
		WT	White
6	Frequency types	6	LF + HF
		7	LF + HF + BLE
7	Functional extensions	(none)	Standard, no option
		P	P option – HID Prox
		PI	PI option – P (HID Prox) + I (HID iCLASS)
8	Addendum	(none)	Standard version
		XX	Customer-specific version

# 11 TWN4 PALON COMPACT WALL SERIES

<b>SCHEME</b>	<b>T4</b>	<b>WK</b>	<b>-</b>	<b>F</b>	<b>01</b>	<b>EU</b>	<b>7</b>	<b>-</b>	<b>P</b>	<b>XX</b>
POSITION	1	2		3	4	5	6		7	8

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	WK	Specific code for TWN4 Palon Compact Wall kits
3	Frontend	B	LEGIC, SM-4200
		F	NXP
4	Combination	01	Standard combination
		XX	Customized combinations
5	Regional code	CH	Switzerland
		EU	Europe
6	Frequency types	6	LF + HF
		7	LF + HF + BLE
7	Functional extensions	(none)	Standard, no option
		P	P option – HID Prox
		PI	PI option – P (HID Prox) + I (HID iCLASS)
8	Addendum	(none)	Standard version
		XX	Customer-specific version

## 12 TWN4 MULTITECH HF MINI SERIES

<b>SCHEME</b>	<b>T4</b>	<b>MR</b>	<b>-</b>	<b>F</b>	<b>-</b>	<b>I</b>	<b>XX</b>
POSITION	1	2		3		4	5

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	MK MR	Development kit containing TWN4 MultiTech HF Mini TWN4 MultiTech HF Mini kits
3	Frontend	F	NXP
4	Functional extensions	(none) I	Standard, no option I option – HID iCLASS
5	Addendum	(none) CCID XX	Standard version Chip Card Interface Device (specific protocol for USB readers) Customer-specific version

## 13 TWN4 MULTITECH NANO SERIES

<b>SCHEME</b>	<b>T4</b>	<b>NM</b>	<b>-</b>	<b>F</b>	<b>D</b>	<b>C</b>	<b>0</b>	<b>-</b>	<b>P</b>	<b>T20</b>	<b>XX</b>
POSITION	1	2		3	4	5	6		7	8	9

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	T4	TWN4 (fixed)
2	Product series code	NM	Specific code for TWN4 MultiTech Nano modules
3	Frontend	B	LEGIC, SM-4200
		D	LEGIC, SM-6300
		F	NXP
4	Antenna output	5	Antenna output is 50 ohm
		D	Antenna output is direct matched
5	Mounting option	C0	Version with edge-plated pads for surface mounting (SMT)
		C1	Version with pin connectors for THT mounting
7	Functional extensions	(none)	Standard, no option
		P	P option – HID Prox
		I	I option – HID iCLASS
		PI	PI option – P (HID Prox) + I (HID iCLASS)
		A	Apple basic protocols
		V	Apple VAS support
8	Packaging option	T	Transact
		R100	Reel (100 pcs.)
		R500	Reel (500 pcs.)
9	Addendum	T20	Tray (20 pcs.)
		(none)	Standard version
		XX	Customer-specific version



## 14 TCP ETHERNET CONVERTERS

SCHEME	TC	3K	-	B	T5	EU
POSITION	1	2		3	4	5

POSITION	EXPLANATION	VALUE(S)	DESCRIPTION
1	ELATEC family code	TC	TCP converter (fixed)
2	Product series code	1K 3K	TCPConv TCP3
3	Housing color	B	Black
4	Inlay type	T1 T5	Standard ELATEC TCPConv inlay Standard ELATEC TCP3 inlay
5	Power supply type	AUS	Kit delivered with an AC Power Wall Adapter with Australian plug (type I)
		E1	Kit working with Power over Ethernet (PoE)
		EU	Kit delivered with an AC Power Wall Adapter with European plug
		JP	Kit delivered with an AC Power Wall Adapter with Japanese plug
		UK US	Kit delivered with an AC Power Wall Adapter with UK plug Kit delivered with an AC Power Wall Adapter with US plug

# APPENDIX

## A – RELEVANT DOCUMENTATION

- ELATEC product data sheets

## B – CABLE TYPE/LENGTH

If you wish to order an additional ELATEC cable for your device, please use to full part number (e.g. CAB-B0, CAB-M4).

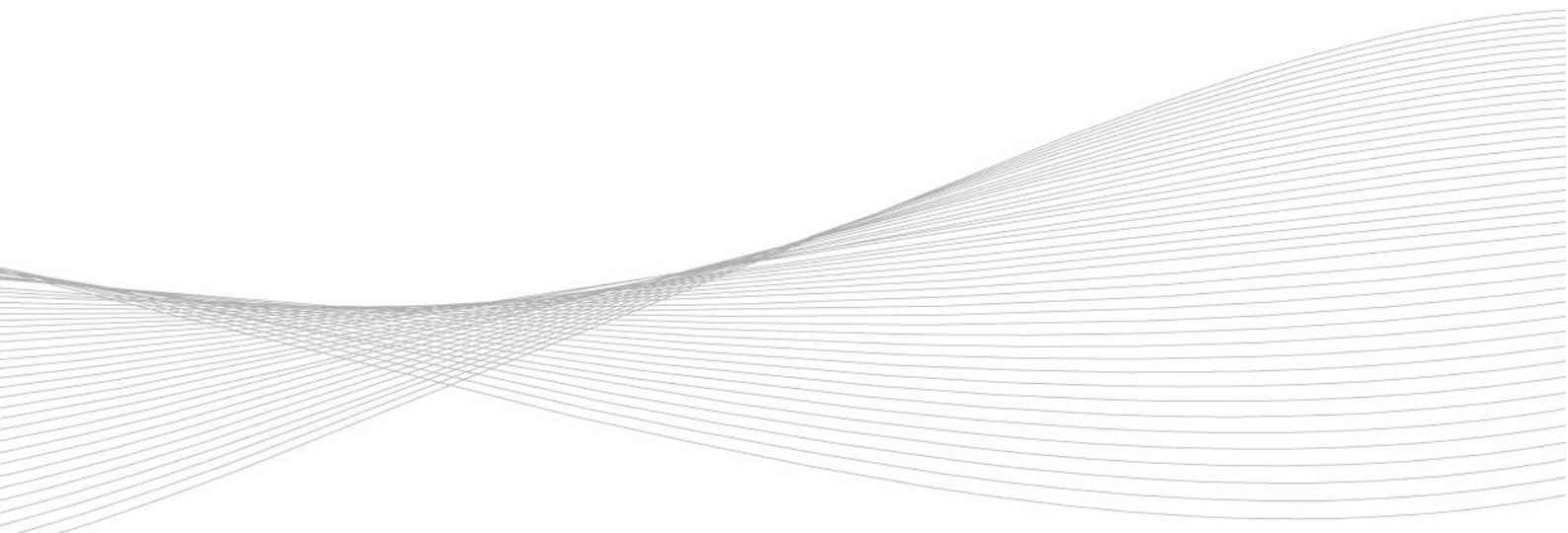
ABBREVIATION	DESCRIPTION
B0	Cable, TWN, USB, 30 cm / 11.81 inch
B1	Cable, TWN, USB, 490 cm / 192.91 inch
B2	Cable, TWN, USB, 200 cm / 78.74 inch
B3	Cable, TWN, USB, 12 cm / 4.72 inch
B4	Cable, TWN, USB, 45 cm / 17.72 inch
B5	Cable, TWN, USB, 150 cm / 59.06 inch
B6	Cable, TWN, USB, 45 cm / 17.72 inch
B7	Cable, TWN, USB, 120 cm / 47.24 inch
B8	Cable, TWN, USB, 200 cm / 78.74 inch
B9	Cable USB A / USB Micro Device, 180 cm / 70.87 inch
BA	Cable, TWN, USB, 55 cm / 21.65 inch
BB	Cable, TWN, USB bent, 200 cm / 78.74 inch
BS1	Cable, Slim CC, Micro USB/Mini USB male bent, 10 cm / 3.94 inch
BS2	Cable, Slim CC, Micro USB/Mini USB female, 10 cm / 3.94 inch
BS3	Cable, Slim CC, Micro USB/USB A male, 12 cm / 4.72 inch
BS4	Cable, Slim CC, Micro USB/USB A male, 45 cm / 17.72 inch
BS5	Cable, Slim CC, Micro USB/USB A male, 120 cm / 47.24 inch
BS6	Cable, Slim CC, Micro USB/USB A male, 200 cm / 78.74 inch
BS7	Cable, Slim CC, Micro USB/Mini USB male, 60 cm / 23.62 inch
M0	Cable, TWN Mini USB female, 12 cm / 4.72 inch
M1	Cable, TWN, Mini USB, 12 cm / 4.72 inch
M2	Cable, TWN, Mini USB, 25 cm / 9.84 inch
M3	Cable, TCPCConv 2, Mini USB to Micro USB, 150 cm / 59.06 inch
M4	Cable, TWN, Mini USB, 40 cm / 15.75 inch
M5	Cable, TWN, Mini USB, 25 cm / 9.84 inch
M6	Cable, TWN, Mini USB, 120 cm / 47.24 inch
R0	Cable, TWN, DSUB9 DC, 200 cm / 78.74 inch
R2	Cable, TWN, DSUB9 DC, 200 cm / 78.74 inch

## C – INLAYS

ABBREVIATION	DESCRIPTION
EL	TWN Inlay ELATEC
EL2	TWN Inlay ELATEC 2018WT
FR	Inlay Front Reader ELATEC
FR2	Inlay Front Reader ELATEC 2018WT
H1	Inlay HIP1 Pocket Slim
H2	Inlay HIP2 Pocket Slim
PLEL01	Inlay Palon Panel Round White
Q1	Inlay Slim
Q2	Inlay Slim with holes
T1	TCPCConv Inlay
T2	TCPCConv 2 Inlay Standard
T3	TCPCConv Inlay ELATEC 2018WT
T4	TCPCConv 2 Inlay ELATEC 2018WT
T5	TCP3 Inlay ELATEC 2018WT
WLEL1	Inlay Palon, anthracite, 5 LED
WLEL2	Inlay Palon, white, 5 LED
WLEL3	Inlay Palon, white, 1 LED (LED position 1)
WLEL4	Inlay Palon, white, 1 LED (LED position 3)
WLEL5	Inlay Palon, anthracite, 1 LED

## D – REVISION HISTORY

VERSION	CHANGE DESCRIPTION	EDITION
01	First edition	06/2023



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