customers

«column»
*PK id: bigserial
     first_name: varchar(50)
     middle_name: varchar(50)
     surname: varchar(50)
     date_of_birth: date
     phone_no: varchar(20)
     mobile_no: varchar(20)
     email: varchar(100)
     comments: text

«PK»
+   pk_customers(id: bigserial)
«unique»
+   uq_customers_email(email: varchar)
«index»
+   ix_customers_surname(surname: varchar)
+   ix_customers_mobile(mobile_no: varchar)

+pk_customers

«FK»

(customer_id=id)   0..*

+fk_customersorders_customers

1

+pk_customers   1

«FK»

(customer_id=id)

0..*   +fk_customersaddresses_customers

xref_customers_ord

«column»
*PK id: bigserial
FK   customer_id: bigserial
     order_date: date
     paid_date: date
     shipped_date: date
     total_price: double precision
     special_instructions: varchar(255)
     consignment_no: varchar(50)
     comments: text

«FK»
+   fk_customersorders_customers(custo
«PK»
+   pk_customersorders(id: bigserial)
«unique»
+   uq_customersorders_consignment(con

+pk_customersorders   1   +pk

«FK»

(customerorder_id=id)

+

xref_customers_addresses

«column»
*PK id: serial
FK   customer_id: bigserial
     billing_or_delivery: bit(1) = 1
     active: bit(1)
     line_1: varchar(50)
     line_2: varchar(50)
     line_3: varchar(50)
     city: varchar(100)
     state_province: varchar(50) = 'Victoria'
     zip_postcode: varchar(10)
     country: varchar(100) = 'Australia'
     comments: text

«FK»
+   fk_customersaddresses_customers(customer_id: bigserial)
«index»
+   ixfk_customersaddresses_customers(customer_id: bigserial)
«PK»
+   pk_customersaddresses(id: serial)

+fk_customersordersstatuses_customersorders   0..*

xref_customers_orders_statuses

«column»
*PK id: bigserial
FK   customerorder_id: bigint
     status_date: date
     status_code: varchar(10)
     comments: text

«FK»
+   fk_customersordersstatuses_customersorders(customerorder_id: bigint)
«PK»
+   pk_customersordersstatuses(id: bigserial)
«index»
+   ix_customersordersstatuses_status(status_code: varchar)
+   ix_customersordersstatuses_date(status_date: date)
«trigger»
+   tg_customersordersstatuses_shipped()

suppliers

«column»
*PK supplier_code: varchar(20)
     supplier_name: varchar(50)
     contact_name: varchar(100)
     contact_phone_no: varchar(20)
     contact_email: varchar(100)
     address_line1: varchar(50)
     address_line2: varchar(50)
     address_line3: varchar(50)
     city: varchar(100) = 'Victoria'
     zip_postcode: varchar(10)
     country: varchar(50) = 'Australia'
     comments: text

«PK»
+   pk_suppliers(supplier_code: varchar)

«index»
+   ix_suppliers_sname(supplier_name: varchar)
+   ix_suppliers_email(contact_email: varchar)
+   ix_suppliers_cname(contact_name: varchar)

+pk_suppliers
1

«FK»
(supplier_code=
supplier_code)

+fk_products_suppliers   0..*

products

«column»
*PK id: bigserial
     short_description: varchar(255)
     unit_price: double precision
     long_description: text
 FK supplier_code: varchar(20)
     supplier_partno: varchar(50)
     comments: text

«FK»
+   fk_products_suppliers(supplier_code: varchar)

«PK»
+   pk_products(id: bigserial)

«unique»
+   uq_products_partno(supplier_partno: varchar)

+pk_products   1

«FK»
(product_id=id)

0..*

+fk_customersordersitems_products

(customersorders)

...mer_id: bigserial)

...nsignment_no: varchar)

...k_customersorders   1

«FK»
(customerorder_id=id)

...fk_customersordersitems_customersorders   0..*

xref_customers_orders_items

«column»
*pfK customerorder_id: bigint
*pfK product_id: bigint
      quantity: double precision
      unit_price: double precision
      tax_amount: double precision
      discount_percentage: double precision
      comments: text

«FK»
+   fk_customersordersitems_customersorders(customerorder_id: bigint)
+   fk_customersordersitems_products(product_id: bigint)

«PK»
+   pk_customersordersitems(customerorder_id: bigint, product_id: bigint)

«check»
+   ck_customersordersitems_discount()